NISSAN NAVIGATION SYSTEM HELPDESK CONTACT INFORMATION

For assistance or inquiries about the NISSAN Navigation System, contact the NISSAN NAVIGATION SYSTEM HELPDESK at:

- ADDRESS: P.O. Box 2082, Burlingame, CA 94011
- E-MAIL: info-nissan@zenrin.com
- WEB SITE: www.zenrin.com or www.nissan.ca
- PHONE: 1-888-661-9995
- HOURS: 6:00 AM to 5:00 PM (Pacific Time)

NISSAN CONSUMER AFFAIRS DEPARTMENT

For assistance or inquiries about the NISSAN warranty, service or general questions, contact the NISSAN Consumer Affairs Department at:

For U.S. customers
Nissan North America, Inc.
Consumer Affairs Department
P.O. Box 685003
Franklin, TN 37068-5003
1-800-NISSAN-1
(1-800-647-7261)

For Canadian customers
Nissan Canada Inc.
5290 Orbitor Drive
Mississauga, Ontario L4W 4Z5
1-800-387-0122

FOREWORD

Thank you for purchasing a NISSAN vehicle.

This user's manual is for the navigation system only. This manual contains operating instructions for the NISSAN Navigation System offered in your NISSAN vehicle.

Please read this manual carefully to ensure safe operation of the navigation system.

- Because of possible specification changes and optional equipment, sections of this manual may not apply to your vehicle.

- All information, specifications and illustrations in this manual are those in effect at the time of printing. NISSAN reserves the right to change specifications or design at any time without notice.

- Do not remove this manual from the vehicle when selling this vehicle. The next user of this navigation system may need the manual.

Table of Contents

0 Introduction

HOW TO USE THIS MANUAL

This manual uses special words, symbols and icons, organized by function.

Please refer to the following items and familiarize yourself with them.

FOR SAFE OPERATION

⚠ WARNING

This is used to indicate a hazard that could cause death or serious personal injury. To avoid or reduce the risk, follow the information and instructions exactly.

⚠ CAUTION

This is used to indicate a hazard that could cause minor or moderate personal injury. To avoid or reduce the risk, follow the information and instructions carefully.

NOTICE

This is used to indicate a hazard that could cause damage to your vehicle. To avoid or reduce the risk, follow the information and instructions.

REFERENCE SYMBOLS

ⓘ INFO:

This indicates information that is necessary for efficient use of your vehicle or accessories.

☞ Reference page:

This indicates the title and page that you should refer to.

< >:

This indicates a button on the control panel.

[ ]:

This indicates a key/item displayed on the screen.

🖐 Voice Command:

This indicates an operation by voice command.

SAFETY INFORMATION

This system is primarily designed to help you reach your destination, and it also performs other functions as outlined in this manual. However, you, the driver, must use the system safely and properly. Information concerning road conditions, traffic signs and the availability of services may not always be up-to-date. The system is not a substitute for safe, proper and legal driving.

Before using the navigation system, please read the following safety information. Always use the system as outlined in this manual.

⚠ WARNING

- **When the driver wants to operate the navigation system or use the center dial, first park the vehicle in a safe location and set the parking brake. Operating the system while driving can distract the driver and may result in a serious accident.**

- **Do not rely on route guidance alone. Always be sure that all driving maneuvers are legal and safe in order to avoid accidents.**

- **Do not disassemble or modify this system. If you do, it may result in accidents, fire or electrical shock.**

- **If you notice any foreign objects in the system hardware, spill liquid on the system or notice smoke or a smell coming from it, stop using the system immediately and contact a NISSAN dealer. Ignoring such conditions may lead to accidents, fire or electrical shock.**

⚠ CAUTION

- **Do not use this system if you notice any malfunctions such as a frozen screen or the lack of sound. Continued use of the system may result in accidents, fire or electrical shock.**

- **Some states/provinces may have laws limiting the use of video screens while driving. Use this system only where it is legal to do so.**

- **Extreme temperature conditions [below −4°F (−20°C) and above 158°F (70°C)] could affect the performance of the system.**

NOTICE

Do not keep the navigation system running with the engine stopped. Doing so may discharge the vehicle battery. When you use the navigation system, always keep the engine running.

FUNCTIONS DISABLED WHILE DRIVING

To ensure safe driving, some functions cannot be operated while driving.

The on-screen functions that are not available while driving will be "grayed-out" or muted.

In some cases, certain text will not be displayed on the screen.

Park the vehicle in a safe location and then operate the navigation system.

LASER PRODUCT

This navigation system is certified as a Class 1 laser product.

The navigation system complies with DHHS Rules 21 CFR Chapter 1, Subchapter J.

⚠ WARNING

- **Do not disassemble or modify this system. There are no user serviceable parts in this navigation system.**

- **If maintenance, adjustments and operations other than those specified in this manual are attempted, injury due to laser radiation and exposure could occur.**

MEMO

1 Multi function display system

FEATURES OF MULTI FUNCTION DISPLAY SYSTEM

NAVIGATION SYSTEM

Contained within NISSAN's authentic navigation system, the navigation and audio systems are all available for use.

Navigation screen

Audio screen

Information screen

Available items:

● Navigation function
☞ "Navigation" page 2-1

● Audio
☞ "Audio system" page 3-1

● Bluetooth® Hands-Free Phone
☞ "Bluetooth® Hands-Free Phone System" page 4-1

● Heater/air conditioner
☞ "Heater and air conditioner" page 5-1

● Vehicle information/Traffic information
☞ "Viewing information" page 6-1

● System setting
☞ "Other settings" page 7-1

● Voice recognition
☞ "Voice recognition" page 8-1

MULTI FUNCTION METER

⚠ WARNING

● **Use the information from the multi function meter strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road condition, etc.). Always obey all traffic regulations and posted speed limits.**

● **Operating the multi function meter while driving can lead to a crash resulting in serious injuries or death. Always park the vehicle in a safe place before operating the display screen.**

● **Look at the display screen only briefly while driving. Keep your eyes on the road. Inattentive driving may lead to a crash resulting in serious injuries or death.**

Performance and vehicle information

Drivers can customize the panel by choosing up to six information gauges for the information they would like displayed.

☞ "CUSTOM VIEW SCREEN" page 9-7

Custom view screen (three panels)

Custom view screen (six panels)

Vehicle information items:

— Engine coolant temperature

— Engine oil temperature

— Engine oil pressure

— Transmission oil pressure

— Transmission oil temperature

— Boost pressure

— etc.

Information for improving driving smoothness

⚠️ **WARNING**

Use the information from the multi function meter strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road condition, etc.). Always obey all traffic regulations and posted speed limits.

The system can be used to monitor your driving skills, by displaying the g-force exerted on the vehicle when you accelerate, brake and steer.

Acceleration screen

Braking screen

Steering screen

Vehicle information items:

- Acceleration screen

  — Accelerator pedal position

  — Boost pressure

  — Resultant fore/aft g-force exerted on the vehicle
    ☞ "ACCELERATION SCREEN" page 9-20

- Braking screen

  — Brake pedal position

  — Speed

  — Resultant fore/aft g-force exerted on vehicle
    ☞ "BRAKING SCREEN" page 9-22

- Steering screen

  — Steering angle

  — Speed

  — Resultant lateral g-force exerted on the vehicle
    ☞ "STEERING SCREEN" page 9-24

Information for fuel economy improvement

Displays the selected gear for optimum fuel economy and the resulting fuel economy information.

Gear position screen

Fuel economy screen

Contents of fuel economy information:

- Gear position screen

  — Gear position

  — Speed

  — Fuel economy for each/Torque map
    ☞ "GEAR POSITION SCREEN" page 9-26

- Fuel economy screen

  — Fuel economy (history)

  — Fuel economy (real-time)

  — Recent fuel economy
    ☞ "FUEL ECONOMY SCREEN" page 9-27

Trip calculator

This allows you to record your driving time and waypoints. It also displays the history for both functions.
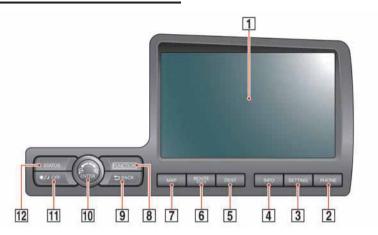

Stopwatch screen

Driver's Notes Screen

Available items:

● Stopwatch screen

— Time log

— Speed

— Elapsed time
☞ "STOPWATCH SCREEN" page 9-29

● Driver's Notes Screen

— Mark list

— Remaining estimated fuel cruising range (distance to empty)

— Total distance traveled
☞ "DRIVER'S NOTES SCREEN" page 9-33

CONTROL PANEL

Navigation, Multi function meter

1 Monitor:
Multi function screens appear here.

2 **<PHONE>**:
Push to access the phone settings.

3 **<SETTING>**:
Push to access the system settings.

4 **<INFO>**:
Push to display the vehicle information and the navigation information, such as GPS and version information, etc.

5 **<DEST>**:
Push to enter a destination. Various methods for entering a destination are available.

6 **<ROUTE>**:
Push to access guidance control functions (guidance cancellation, route priority, way-point settings on the route, etc.).

7 **<MAP>**:
Push to display the current location map screen.

8 **<FUNCTION>**:
Push to display the multi function meter screen.

9 **<BACK>**:
Push to return to the previous screen. In a settings screen, this button can also be used to apply the setting. In a character input screen, this button can also delete the characters that have been entered.

10 Center dial/**<ENTER>**:
Turn to highlight an item on the screen or adjust a setting. Push to select the highlighted item on the screen. Use the center dial to adjust the map scale. If this button is pushed while a map is displayed, the map menu screen is displayed.
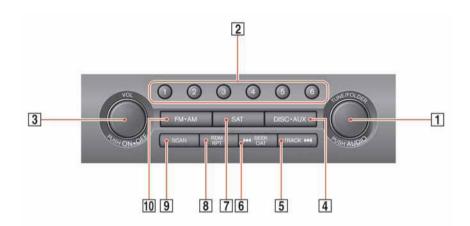
11 **<DAY/NIGHT>**:
Push to switch between the day screen (bright) and the night screen (dark). Push and hold to turn off the display. Push again to turn on the display.

12 **<STATUS>**:
Push to display the current status of the air conditioner, radio, audio, vehicle information (drivable distance and average fuel economy) and navigation systems.

Audio system

1 <TUNE FOLDER>/<PUSH AUDIO>:
Turn this switch to manually tune the radio frequency. Push the switch to configure the sound settings. When using Music Box/CD (including MP3 and WMA files on disk)/CF card you can change the album or folder to be played.

2 Preset stations <1>-<6>:
Use these buttons to toggle between the stations preset in the system. Pushing and holding any of the preset station buttons will save the station you are listening to.

3 <VOL>/<PUSH ON·OFF>:
Turn this switch to adjust the volume of the stereo. Push this switch to turn the audio system ON or OFF.

4 <DISC·AUX>:
Push to switch between CD/Music Box/CF card/AUX (if so equipped)/iPod player (if so equipped) screens.

5 <TRACK>:
Push to search for a track/station automatically or to fast-forward when listening to music.

6 <SEEK CAT>:
Push to search for a track/station automatically or to rewind when listening to music.

7 <SAT>:
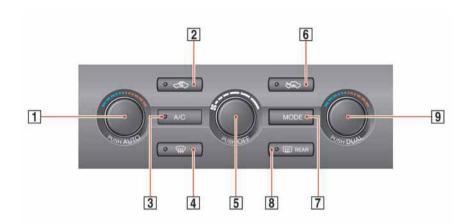Push to switch to an XM® satellite radio band.

8 <RDM RPT>:
Push to switch from the random mode to repeat mode while listening to music.

9 <SCAN>:
Push to tune the radio from low to high frequencies. The radio will stop at each broadcasting station for 5 seconds. When operating the CD player, push to preview the first 5 seconds of each CD track.

10 <AM·FM>:
Push to switch to a different radio band.

8 **< ▦ REAR>**:
Push to turn the rear defroster ON/OFF.

9 **<Push DUAL>**:
Push this to turn the dual temperature mode ON/OFF. Turn the switch to the left or right to adjust the passenger-side temperature.

Heater and air conditioner

1 **<Push AUTO>**:
Push this to set the air conditioner to the automatic mode. Turn the dial to adjust the cabin temperature. When in dual mode, this switch adjusts the driver-side temperature.

2 ⟳:
Push this to recirculate the air in the cabin.

3 **<A/C>**:
When the fan is ON, pushing this button turns the air conditioner ON/OFF.

4 ▧:
Push to turn the front defroster ON/OFF.

5 **<Push OFF>**:
Turning this dial turns the fan ON. This dial also controls the fan speed. Push the dial to turn the fan OFF.

6 ⟿:
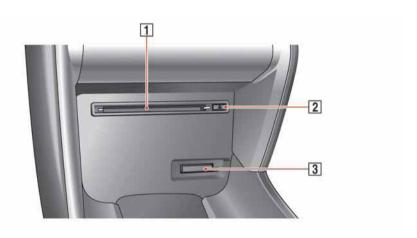Push to ventilate fresh air into the cabin.

7 **<MODE>**:
Push to select between dashboard or feet air ventilators.

Digital media slots

1 CD slot:
Insert playback CDs here.

2 ⏏ :
Push to eject CDs.

3 CF card slot:
Insert a CF card here.

6 **<MRK>**:
When using the stopwatch, push this button to record the required travel time. When Driver's Notes is active, pushing this will record your present position as a waypoint.

7 **<START/STOP>**:
Push to start/stop the timer on the Stopwatch screen or the Driver's Notes screen (when displayed).

STEERING SWITCH

1 **<SOURCE>**:
Push the source select switch to change the mode in the sequence of Preset A, Preset B, Preset C, iPod® (if so equipped), Music Box, CD, CompactFlash and AUX (if so equipped). If they are not ready to function, those modes will be skipped.

2 **<VOL>**:
Allows you to adjust the volume.

3 **<SEEK>**:
This can be used when operating the audio system. Push the seek button to select a radio station or a song. Push and hold the seek button and the system will automatically select a station folder or disc.

4 🗬 :
Push to enter voice recognition mode.

5 📞 :
Push to display the hands-free phone operation screen.

START-UP SCREEN

1. The navigation system starts when the ignition switch is pushed to the ACC or ON position.

2. As the start-up screen is displayed, read the precautions carefully, highlight [OK] and push **<ENTER>** or touch [OK].

INFO:

● If you do not push **<ENTER>** for more than 30 seconds, the status screen will be displayed. Push **<DEST>**, **<MAP>**, **<ROUTE>**, **<INFO>**, **<SETTING>**, **<STATUS>**, **<PHONE>**, **<FUNCTION>** or **<TALK>** to return to the start-up screen.

● After the engine is started, the operation instructions will only be displayed the first time the screen is displayed.

● The operations instruction screen will disappear automatically after a few seconds or when you start to operate the screen.

● The system saves the screen displayed at the time the engine is turned off.

● "Xanavi" logo is a registered trademark of Xanavi informatics Corporation and the "POLYPHONY DIGITAL" logo is a registered trademark of Polyphony Digital Corporation.

3. Push **<BACK>** to return to the previous screen without applying any changes.

   Push **<MAP>** to return to the current location map screen without applying any changes.

INFO:

Depending on the menu selected, pushing **<MAP>** may not return you to the current location map screen.

MENU SCREEN AND HOW TO OPERATE

Menu screens and their purposes

Push **<DEST>**, **<ROUTE>**, **<PHONE>**, **<INFO>** or **<SETTING>** to display the corresponding menu screen.

How to select a menu item:
Example: **<DEST>** screen

1. Turn the center dial clockwise or counterclockwise. An item is highlighted accordingly.

2. To select the preferred menu item, highlight the item and push **<ENTER>**. The next screen is displayed.
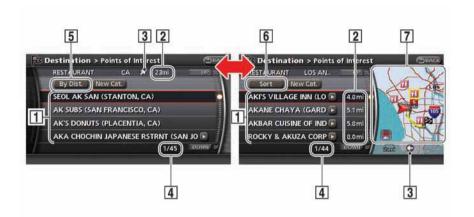
INFO:

- You can also adjust the volume of phone and voice guidance, the display brightness, etc. by tilting the steering switch up and down.

- This same adjustment can also be made by the touch panel operation.

Using controls to adjust values, levels, etc.

There are three main methods you can use to control the navigation system: the center dial, the touch panel and the steering switch. Use these controls to adjust the volume of phone and voice guidance, the display brightness, etc.

How to adjust:

1. Highlight the preferred setting item and push **<ENTER>**. The color of the corresponding adjustment item changes.

2. Use the center dial or the touch panel, and the value or bar indicating levels increases or decreases accordingly.

3. Push **<ENTER>** or **<BACK>** to apply the setting.

List screen

After searching for a point of interest, a list screen is displayed.

Depending on the list displayed, it can be sorted.

Items displayed in a list:

1. Highlight the preferred item from the list and push **<ENTER>** to select it.
   If a location or facility name is not completely displayed (due to length), touch ▶ to show the hidden part of the name.

2. Distance from the current location

3. Direction to the point of interest

4. If the entire list cannot be displayed on the screen, the system displays the total number of items in the list and the entry number of the selected item. Turn the center dial or use the touch panel to scroll the list.

5. Highlight and push **<ENTER>** to sort the list by shortest distance.

6. Highlight and push **<ENTER>** to sort the list in the original order.

7. When the list is sorted by the shortest distance, you can confirm the selected location in the preview on the right side of the screen.

TOUCH PANEL OPERATION

With this system, the same operations as those for the center dial are possible using the touch panel operation.

This manual describes the operations using the center dial.

For the operations that differ from those of the center dial and for useful methods for using the touch panel operation, refer to each section.

Example of touch panel operation

Here, the operation examples performed with the touch panel operation are described.

Selecting the item:
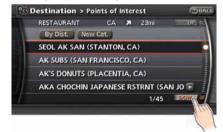
When the item is touched, the following screen is displayed.

Adjusting the volume and others:

Touch [+] or [−] located on the right and left of the bar graph to perform the adjustment.

Scrolling the message or list:

Touching [UP] or [DOWN] allows you to scroll the message or list.

Inputting letters and numbers:

1. Touch the letter or number.

2. When you desire to delete a character, touch [Delete]. Push and hold [Delete] to delete all of the characters.

HOW TO INPUT LETTERS AND NUMBERS

Character (letter and number) input screen

You will have to enter alphanumeric characters when setting a destination, searching for a facility or editing the stored locations, etc.

1. Use the touch panel or turn the center dial to highlight a character on the displayed keyboard.

2. Push **<ENTER>**. The highlighted character is entered.

3. Push **<BACK>**, or highlight [Delete] and push **<ENTER>** to delete the last character entered.

   Push and hold **<BACK>** to delete all the characters entered.

   Highlight [Space] and push **<ENTER>** to enter a space.

4. After finishing the entry, highlight [List] and push **<ENTER>**.

INFO:

- You can push **<BACK>** on the control panel to return to the previous screen, but only after deleting all the characters entered.

- When you touch [BACK] on the screen, the screen returns to the previous screen even when characters have been entered.

- When the character that you have entered can only be followed by one other character, that character is entered automatically.

- When you have entered text and narrowed down the matching list items to a number that will fit on the screen, the list screen appears automatically.

- Symbol keys are displayed by highlighting [Symbols] and pushing **<ENTER>**. Alphabet keys are displayed by highlighting [A-Z] and pushing **<ENTER>**.

Phone number input screen

You can enter a phone number as a search method to look for a point of interest.

INFO:

Only the locations included in the database in the map data can be searched by the phone number.

1. Use the touch panel or turn the center dial to highlight a number on the displayed keyboard.

2. Push **<ENTER>**. The highlighted number is entered.

3. Push **<BACK>**, or highlight [Delete] and push **<ENTER>** to delete the last number entered.

   Push and hold **<BACK>** to delete all the numbers entered.

4. After finishing the entry, highlight [Map] and push **<ENTER>**.

INFO:

- You can push **<BACK>** on the control panel to return to the previous screen, but only after deleting all the numbers entered.

- When you touch [BACK] on the screen, the screen returns to the previous screen even when numbers have been entered.

MEMO

2 Navigation

FEATURES OF THIS NAVIGATION SYSTEM

ROUTE GUIDANCE

The main features of the NISSAN Navigation System are visual guidance and voice guidance in selected map coverage areas. Utilizing a network of GPS (Global Positioning System) satellites, the NISSAN Navigation System tracks your location on the map and navigates you to a preferred location.

Once you set the destination in a map coverage area, the NISSAN Navigation System will calculate a route from your current location to your destination. The real-time map display and turn-by-turn voice guidance leads the driver along the route. These features can be especially helpful when driving to unfamiliar locations.

The system may be unable to set a destination and/or calculate a route when the destination is outside the map coverage area. Additionally, voice guidance may not be available if the destination is outside the map coverage area.

☞ "ABOUT ROUTE GUIDANCE" page 2-78

POINTS OF INTEREST (POI) DIRECTORY

The NISSAN Navigation System offers an extensive Points of Interest (POI) directory in map coverage areas. This directory includes a wide variety of destinations ranging from gas stations, ATMs, and restaurants to casinos, ski resorts, shopping centers and businesses. By accessing the Points of Interest directory, you can search for addresses and phone numbers for a destination, and just by pushing a button, the NISSAN Navigation System will calculate a route to the destination.

The POI directory has many uses. For example, the directory can be sorted by the various types of restaurants near your current location. If you need an ATM or gas station, the NISSAN Navigation System can navigate you to the closest preferred location.

☞ "SETTING A POINT OF INTEREST" page 2-30

ADDRESS BOOK

The Address Book can store up to 100 locations from map coverage areas into a personal directory. This is especially useful for frequently visited locations, such as clients, relatives and friends. The Address Book function allows easy access to frequently visited locations when setting them as your destination.

☞ "STORING A LOCATION/ROUTE" page 2-80

AVOID AREA

The Avoid Area function allows you to identify areas or freeways that you would like the NISSAN Navigation System to avoid when calculating routes. For example, if a freeway or area is always congested with traffic, you can set the NISSAN Navigation System to calculate routes that exclude that freeway or area.

☞ "STORING AN AVOID AREA" page 2-85

XM® NavTraffic™ INFORMATION

The XM® NavTraffic™ information broadcast allows you to avoid delays due to traffic incidents. Traffic jams, roadwork, closed roads around your current location, etc. are represented graphically on the map by icons depicting the nature of the event. Incidents on the route are automatically brought to your attention when you approach them.

The XM® NavTraffic™ information feature via the guidance mode, allows you to detour around traffic problems.

☞ "VIEWING AVAILABLE TRAFFIC INFORMATION" page 6-7

AUTOMATIC REROUTE

If you deviate from the suggested route, the NISSAN Navigation System will automatically recalculate a new route to your destination.

☞ "RECALCULATE ROUTE" page 2-69

DETOUR

If you want to make a detour due to traffic conditions, you can use the Detour function to calculate an alternative route. The NISSAN Navigation System can calculate a route using secondary roads that will return you to primary roads after a specified number of miles.

☞ "SETTING A DETOUR ROUTE" page 2-71

VOICE GUIDANCE

Route guidance is provided through voice and visual instructions. Voice guidance announces the appropriate directions when approaching an intersection at which you need to turn.

☞ "ABOUT ROUTE GUIDANCE" page 2-78

MAP SETTINGS

MAP TYPES

Two types of map views are available: Plan View and Birdview™.

Plan View

Plan View displays the map in a 2-dimensional environment similar to a road map.

Screen information:

1 ⬤ Vehicle icon:

Indicates the current vehicle location and the direction that you are traveling.

2 ⬤ Guide point:

Indicates a guide point on the route.

3 ⬤ Remaining time and distance to the destination:

Indicates the approximate remaining time and distance to the destination or waypoint. This indicator will appear when you set the destination or waypoint and start route guidance.

When you are not driving on the suggested route, the screen displays the direction to the destination and the distance to the destination from the current vehicle position.

4 Suggested route:

Appears in bold yellow during route guidance.

5 / Direction indicator:

Indicates the direction of the map.
Touch the icon to switch the direction of the map.

6 Scale indicator:

Indicates the scale of the map.
Touch the icon to display the scale bar.
This allows the map scale to be adjusted.

7 Arrow:

Indicates the distance to the next guide point and the turning direction at that guide point.

8 Stored location:

Displays the locations that are stored in the Address Book. You can change the icons according to your preferences.

9 Avoid Area:

Displays the areas to avoid that are stored in the Address Book. During the route search, the route guidance is performed by searching for a route that avoids those areas.

10 Street name:

Displays the name of the street that you are currently driving on.

11 Traffic indicator:

Displays the reception condition of traffic information transmitted from the provider.
Green: Reception condition is good.
Gray: Reception condition is not good.
No mark: Subscription to XM® NavTraffic™ service is not detected.

Birdview^{TM}

Two map types, 2-dimensional Plan View and 3-dimensional Birdview™, are available in the NISSAN Navigation System. Birdview™ displays the map from an elevated perspective. In Birdview™, it is easy to recognize an image of the route because it provides a panoramic view over a long distance.

 INFO:
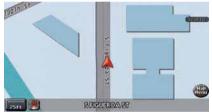
About the Birdview™ display

- "Birdview™" is a registered trademark of Xanavi Informatics Corporation.

- The map in Birdview™ always appears with the current forward direction facing up.

Building graphics

In the area where the building graphics are stored in the map data, the building graphics are displayed when the map is zoomed in. On the Plan View display, these are called "Building footprint graphics", and on the Birdview™ display, these are called "3D building graphics".

How to look at the map is the same for Plan View and Birdview™.

Building footprint graphics (Plan View)

3D building graphics (Birdview™)

RETURNING TO THE CURRENT VEHICLE LOCATION

Operating with the button on the control panel

The basic map screen displays the current location (the position where the vehicle mark is located). The current location can be displayed again even after the map is moved, or after the menu screen or the guide screen is displayed. Push **<MAP>**. The current location map screen is displayed.

 INFO:

Depending on the menu selected, pushing **<MAP>** may not return you to the current location map screen.

 Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

To display the current location map screen:

"Show Current Location" (Alternate command mode)

Operating with the touch operation

Touch [BACK] on the map screen to display the current location map screen.

MOVING A MAP

The operations for moving across the map are different between Plan View and Birdview[TM].

Plan View

1. Touch the screen.
   Displays the cross pointer, and the touched position is set as the center of the screen.

2. Touch the direction you desire to scroll to. The map continues to scroll while the screen is touched.

   Screen information:

   1 Cross pointer

   2 Distance from the current location to the cross pointer

   3 Street name

   ℹ️ **INFO:**

   When the operation is performed during driving, the scrolling is stopped after the screen scrolls to the touched direction for a specified amount.

   If the map screen is set to the building footprint graphics, the map cannot be scrolled while driving.

Fine-adjusting the cursor position:

1. Touch [Slow].
   Displays the 8-directional key.

2. Touch the 8-directional key to adjust the cross pointer position.
   Touch [BACK] to end the adjustment.
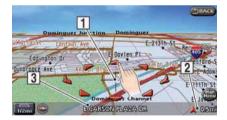
   ℹ️ **INFO:**

   Fine-adjusting the cursor position is not possible while driving.

Birdview
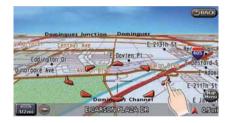
1. Touch the screen.
   Displays the cross pointer and 8-directional key.

2. Touch the direction you desire to scroll to. The map continues to scroll while the screen is touched.

Screen information:

1 Cross pointer

2 Distance from the current location to the cross pointer

3 Street name

3. Touch [🔺] or [🔺] to change the direction of the map.

🔺 : Rotates the map clockwise.

🔺 : Rotates the map counterclockwise.

🔺 : The cross pointer moves in the direction of the arrow.

ℹ️ **INFO:**

When the operation is performed during driving, the scrolling is stopped after the screen scrolls to the touched direction for a specified amount. If the map scale is set to 180 ft (60 m) or less, the map cannot be scrolled while driving.

CHANGING THE SCALE OF A MAP

Operating with the center dial

1. Turn the center dial on the map screen. The map scale is displayed.

2. Use the center dial to adjust the map scale.

[1] Clockwise: Zoom in

[2] Counterclockwise: Zoom out

INFO:

Free zoom:

Depending on the setting, using the center dial to change the map scale may adjust the scale normally, or it may engage the free zoom (finer scale adjustment in smaller steps).
☞ "NAVIGATION SCREEN" page 2-104

Operating with the touch operation

1. Touch **1/8mi**.
   Displays the scale.

2. Touch [ZOOM IN] or [ZOOM OUT] to change the scale.

INFO:

Free zoom:

Once the Free Zoom is set in the setting screen, the scale can be changed in smaller steps when you push and hold [ZOOM IN] or [ZOOM OUT] than when you briefly push the button.
If you briefly push the button, the operation returns to normal.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

To change the map scale:
"Zoom In" (Alternate command mode)
"Zoom Out" (Alternate command mode)
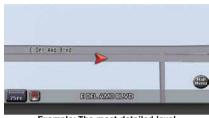
Map scale

The following scales are available depending on the map view.

- In Plan View:
  Widest (1/51,200,000) to the most detailed (1/2,500)

- In Birdview™:
  Widest (1/20,480,000) to the most detailed (viewpoint height at 1/3,000)

Scale level of the Plan View display:

Map scale		Actual distance
Normal Map	1:51.2 million	400 miles (640 km)
	1:5.12 million	32 miles (64 km)
	1:1.28 million	8 miles (16 km)
	1:800,000	5 miles (10 km)
	1:320,000	2 miles (4 km)
	1:160,000	1 mile (2 km)
	1:80,000	1/2 mile (1 km)
	1:40,000	1/4 mile (500 m)
	1:20,000	1/8 mile (200 m)
	1:10,000	300 ft (100 m)
	1:5,000	150 ft (50 m)
Building footprint graphics	1:5,000	150 ft (50 m)
	1:2,500	75 ft (25 m)

Example: The most detailed level
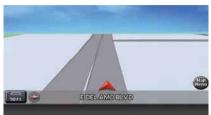
Example: The widest level

Scale level of the Birdview™ display:

Map scale		Distance between grids
Normal Map	1:20.48 million	160 miles (256 km)
	1:5.12 million	32 miles (64 km)
	1:2.56 million	16 miles (32 km)
	1:1.28 million	8 miles (16 km)
	1:640,000	4 miles (8 km)
	1:320,000	2 miles (4 km)
	1:160,000	1 mile (2 km)
	1:80,000	1/2 mile (1 km)
	1:40,000	1/4 mile (500 m)
	1:25,000	1/6 mile (250 m)
3D building graphics	1:6,000	180 ft (60 m)
	1:3,000	90 ft (30 m)

Example: The most detailed level

Example: The widest level

ℹ️ **INFO:**

The traffic information icons are not displayed on the map screen when the map scale is set to 1/4 mile (500 m) or higher in Plan View, to 1 mile (2 km) or higher in Birdview™, to the building footprint graphics (Plan View), or the 3D building graphics (Birdview™).

OTHER SETTINGS FOR THE MAP SCREEN

Other settings are also available for the map screen, such as switching the map view, changing the map direction, splitting the screen, etc.

Switching the map view

The map view can be changed between Plan View and Birdview™. The map can also be displayed in the split screen mode.

1. Push **<ENTER>** while the current location map screen is displayed.

2. Highlight [Map Settings] and push **<EN-TER>**.

3. Highlight [Change View] and push **<EN-TER>**.

4. Highlight the preferred map view and push **<ENTER>**. The indicator of the selected map view illuminates.

5. Push **<MAP>** or touch [Back to Map] to return to the current location map screen.

Available items

- Plan View:
  Switches to Plan View.

- Birdview™:
  Switches to Birdview™.

- Split (Plan View):
  Changes to the split screen mode and both halves display maps in Plan View.

- Split (Birdview™):
  Changes to the split screen mode and the left half displays the map in Plan View and the right half displays the map in Birdview™.

INFO:

- When you select [Split (Plan View)] or [Split (Birdview™)], [Left Settings] and [Right Settings] become available. This is used to operate the left/right screen.
  ☞ "Operation with split screen display" page 2-17

- If [Split (Plan View)] or [Split (Birdview™)] is selected, the normal map scrolling and scale adjustment are set in the right screen. However, if you touch an icon before adjusting the map direction or scale, then each screen can be adjusted independently.

Split (Plan View)

Split (Birdview™)

- You can also set the map view using the following procedure.

  1) Push **<SETTING>**.

  2) Highlight [Navigation] and push **<EN-TER>**.

  3) Highlight [Map Settings] and push **<ENTER>**.

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

● To display a map in Plan View:
  "Planview map" (Alternate command mode)

● To display a map in Birdview^TM:
  "Birdview map" (Alternate command mode)

● To display a split map in Plan View:
  "Planview Split Map" (Alternate command mode)

● To display a split map in Birdview^TM:
  "Birdview Split Map" (Alternate command mode)

Settings of heading/long range map view

You can change the map direction (orientation) in Plan View or change the position of the vehicle icon to view a wider area in the traveling direction.
These settings are available only in the Plan View or Split (Plan View) mode.

1. Push **<ENTER>** while the current location map screen is displayed.

2. Highlight [Map Settings] and push **<ENTER>**.

3. Highlight [Settings] and push **<ENTER>**.

4. Highlight the preferred map orientation and push **<ENTER>**. The indicator of the selected map orientation illuminates.

5. Push **<MAP>** to return to the current location map screen.

Available items

● North Up:
North is set at the top of the map.

● Heading Up:
The traveling direction is set at the top of the map.

● Long Range Map View:
The vehicle icon is located slightly lower than the center of the screen. This offers a wider view in the traveling direction.

● Map Scale:
A scale appears on the left side of the screen. This changes the scale of a map.

● Birdview™ Angle:
This changes the Birdview™ angle.

North Up

Heading Up

Long Range Map View

- [Long Range] is displayed only when you select [Heading Up].

- [Birdview Angle] is displayed only when the map view is set to the Birdview or Split (Birdview) mode.

- If the map orientation is switched, the icon displayed in the lower left corner is also switched.

  : North Up

  : Heading Up

- You can also set the orientation of the map using the following procedure.

  1) Push **<SETTING>**.

  2) Highlight [Navigation] and push **<ENTER>**.

  3) Highlight [Map Settings] and push **<ENTER>**.

  4) Highlight [Settings] and push **<ENTER>**.

- Touching the icon on the map can also change the direction of the map.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command. To charge the map direction:
   "North Up" (Alternate command mode)
   "Heading Up" (Alternate command mode)

Changing the Birdview^{TM} angle

This changes the Birdview^{TM} angle.
This setting is available only in the Birdview^{TM} or Split (Birdview^{TM}) mode.

1. Push **<ENTER>** while the current location map screen is displayed.

2. Highlight [Map settings] and push **<ENTER>**.

3. Highlight [Settings] and push **<ENTER>**.

4. Highlight [Birdview Angle] and push **<EN-TER>**.

5. Adjust the Birdview angle by moving the cursor in the direction of ⬆ or ⬇.

6. Push **<MAP>** to return to the current location map screen.

ℹ️ **INFO:**

You can also set the Birdview angle using the following procedure.

1) Push **<SETTING>**.

2) Highlight [Navigation] and push **<ENTER>**.

3) Highlight [Map settings] and push **<EN-TER>**.

4) Highlight [Settings] and push **<ENTER>**.

5) Highlight [Birdview Angle] and push **<EN-TER>**.

Operation with split screen display

When the split screen is displayed, you can operate the left/right screen.

1. Push **<ENTER>** while the current location map screen is displayed.

2. Highlight [Map Settings] and push **<EN-TER>**.

3. Highlight [Left Settings] or [Right Settings] and push **<ENTER>**.

4. Highlight the preferred map view and push **<ENTER>**. The indicator of the selected map view illuminates.

5. Push **<MAP>** to return to the current location map screen.

Available items

- North Up:
  North is set at the top of the map.

- Heading Up:
  The traveling direction is set at the top of the map.

- Long Range:
  The vehicle icon is located slightly lower than the center of the screen. This offers a wider view in the traveling direction.

- Map Scale:
  A scale appears on the left side of the screen. This changes the scale of a map.

- Birdview^{TM} Angle:
  This changes the Birdview^{TM} angle.

INFO:

You can also change the scale of the left screen using the following procedure.

1) Push **<SETTING>**.

2) Highlight [Navigation] and push **<ENTER>**.

3) Highlight [Map Settings] and push **<EN-TER>**.

4) Highlight [Left Settings] or [Right Settings] and push **<ENTER>**.

MAP MENU SCREEN

Push **<ENTER>** while the current location map screen or a scrolled map screen is displayed to display the menu corresponding to that screen.

This menu allows you to quickly use helpful functions, such as setting a destination easily and searching for Points of Interest nearby.

To select a menu item, use the method described in "Menu screen types and how to operate".

ⓘ INFO:

With the touch operation, the same screen can be displayed by touching [Map Menu] located on the map screen.

CURRENT LOCATION MAP SCREEN

If **<ENTER>** is pushed while the current location map screen is displayed, the following options are available.

- Store Location:
  Allows you to store the current vehicle location in the Address Book. The stored location can be retrieved as necessary to set it as a destination (waypoint).

  ☞ "Storing the current vehicle location" page 2-81

- Nearby:
  Allows you to search for points of interest near the current vehicle location, such as restaurants and gas stations, etc.

  ☞ "SETTING A NEARBY PLACE" page 2-39

- Map Settings:
  Performs the map operations such as the switching of map type and the setting of map orientation and scale.

  ☞ "OTHER SETTINGS FOR THE MAP SCREEN" page 2-12

- Landmark Icons:
  Allows you to display certain points of interest near the current vehicle location on the map, such as restaurants and gas stations, etc.

  ☞ "Displaying landmark icons" page 2-21

- Store Tracking:
  Allows you to store in the Address Book the route that you have travelled from the starting point to the current location.

  ☞ "STORING A TRACKED ROUTE" page 2-84

- Guide Screen:
  Set the default display screen for route guidance.

  ☞ "Visual guidance settings" page 2-73

SCROLLED LOCATION MAP SCREEN

If **<ENTER>** is pushed while a scrolled map screen is displayed, the following options are available.

- New Dest.:
  Allows you to set the destination to the map location where you pushed **<ENTER>**. If a destination is already set, the location will be set as the new destination.
  ☞ "SETTING FROM MAP" page 2-49

- Add to Route:
  Allows you to set the map location where you pushed **<ENTER>** as the destination or a waypoint.

  This is available only when the suggested route is already set.
  ☞ "Setting a destination or waypoint" page 2-60

- Nearby:
  Allows you to search for points of interest near the map location where you pushed **<ENTER>** and set it as a destination or waypoint.

  Use the same search method as the one for POI.
  ☞ "SETTING A NEARBY PLACE" page 2-39

- Store Location:
  Allows you to store the map location where you pushed **<ENTER>** in the Address Book. The stored location can be retrieved to set it as a destination or waypoint.
  ☞ "Storing the current vehicle location" page 2-81

- Delete:
  Allows you to delete a stored location, destination or waypoint. To delete it, place the cross pointer over the corresponding icon.

- Incident Details:
  Can be selected only when the traffic information icon is displayed.
  Displays the details of the traffic information icon that is being displayed.
  Place the cross pointer over the icon you desire to check.

  Please note that incident details are a feature of Traffic Information, and that an XM® NavTraffic™ subscription is required in order to receive Traffic Information.

LOOKING AT INFORMATION ON THE MAP

You can display icons on the map and view information about destinations or landmarks.

Displaying landmark icons

This allows you to display or hide the landmark icons by type.

1. Push **<ENTER>** while the current location map screen is displayed.

2. Highlight [Landmark Icons] and push **<EN-TER>**.

3. Highlight the preferred icon and push **<ENTER>**. The icon display setting toggles on and off each time you push **<ENTER>**. The indicator of the selected icon illuminates.

4. Push **<MAP>** to return to the current location map screen. The activated landmark icons are displayed on the map.

Landmark icons that can be displayed:

- Restaurant

- Gas Station

- Hotel

- ATM

- Rest Area

INFO:

- You can also set the landmark icons using the following procedure.

  1) Push **<SETTING>**.

  2) Highlight [Navigation] and push **<EN-TER>**.

  3) Highlight [Landmark Icons] and push **<ENTER>**.

- The landmark icons are not displayed on the map screen when the map scale is set to 1/4 mile (500 m) or higher in Plan View, or to 1 mile (2 km) or higher in Birdview™.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

   To display all of the landmark icons:
   "Landmark Icons" (Alternate command mode)

Map scrolling information

Information about the location, on which the center of the cross pointer is placed by scrolling on the map, can be set to be displayed.

1. Push **<SETTING>**.

2. Highlight [Navigation] and push **<ENTER>**.

3. Highlight [Map Scrolling Information] and push **<ENTER>**.

4. Highlight the preferred information item and push **<ENTER>**. The indicator of the selected information item illuminates.
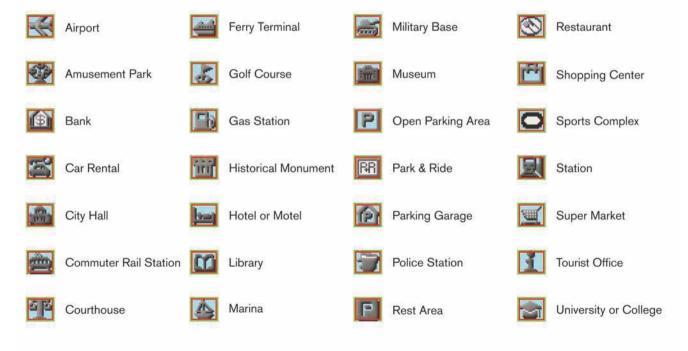
5. Push **<MAP>** to return to the current location map screen. Move the cross pointer to the set location to display the information.

Map symbols

This navigation system uses symbols to display facilities.

2-D icons (Plan View):

Airport	Ferry Terminal	Military Base	Restaurant
Amusement Park	Golf Course	Museum	Shopping Center
Bank	Gas Station	Open Parking Area	Sports Complex
Car Rental	Historical Monument	Park & Ride	Station
City Hall	Hotel or Motel	Parking Garage	Super Market
Commuter Rail Station	Library	Police Station	Tourist Office
Courthouse	Marina	Rest Area	University or College

3-D icons (Birdview™):

Building — United GE White House Pentagon US capitol

Empire Chrysler Tower — Airport Amusement park Astronomical observatory Bridge

Church Chinatown City hall HOLLY WOOD sign Lighthouse Museum Race track

Ship Ski resort University The Statue of Liberty Stadium —

Road color:

The road types are differentiated by colors.

- Freeway:

- Main road:

- Narrow street:

- Road with incomplete map data:

Traffic information on map:

With a subscription to XM® NavTraffic™ ser-
vice, traffic information is displayed.
☞ "TRAFFIC INFORMATION ON MAP" page
6-11

Road conditions

- Free Flow:

  → (Green)

- Moderate traffic:

  → (Yellow)

- Heavy traffic:

  → (Red)

- Section affected by serious traffic event:

  ┈┈► (Purple)

Traffic information icons:

	Events on route or when no route is set	Events not on route
Accident		
Closed road		
Information		
Road work		
Slippery road		
Weather		
Incident		

SETTING A DESTINATION

DESTINATION SCREEN

There are several methods you can use to set your destination. Understand the advantages of each method and select the best method for finding and setting your destination.

1. Push **<DEST>**.

2. Highlight the preferred destination setting method and push **<ENTER>**.

Available items

● Street Address:
Searches for a destination by address.

● Points of Interest:
Searches for a destination from various categories of businesses or locations.

● Home:
Searches for a route from the current location to the previously stored home destination.

● Address Book:
Searches for a destination from the list of the stored locations.

● Nearby Places:
Searches for a business or location near your vehicle.

● Previous Dest.:
Searches for a destination from the previous destinations.

● Previous Starting Point:
Sets the previous starting point as the destination.

● Stored Route:
Selects a stored route.

● Phone Number:
Searches for a POI destination by the telephone number.

It will not search for residential phone numbers.

● Freeway Entrance/Exit:
Searches for a destination from a freeway entrance/exit.

● Intersection:
Searches for a destination from intersections.

● City Center:
Sets the center of a city as the destination.

CHANGING THE REGION

When setting a destination, you can narrow down the place by specifying the region or city.

Specifying the region

1. Push **<DEST>**.

2. Highlight [Change Region] and push **<EN-TER>**.

3. Highlight the preferred region and push **<ENTER>**.

Available items

- US1: CA, NV

- US2: AZ, CO, ID, MT, NM, OR, UT, WA, WY

- US3: IA, KS, MN, MO, ND, NE, SD

- US4: AR, LA, MS, OK, TX

- US5: IL, IN, MI, WI

- US6: DC, DE, KY, MD, OH, PA, VA, WV

- US7: CT, MA, ME, NH, NJ, NY, RI, VT

- US8: AL, FL, GA, NC, SC, TN

- US9: AK

- US10: HI

- Canada

INFO:

- It is also possible to select a region by touching the map on the right side of the screen.

- It is not possible to search for a route from the continental United States to Hawaii.

Specifying the city

When searching for a destination with "Street Address", "Points of Interest", "Freeway Entrance/Exit", "Intersection" or "City Center", you can narrow down the search by specifying the city.

1. Select [City] on input screen and push **<ENTER>**.

2. Enter the name of the city, highlight [List] and push **<ENTER>**.
   A list screen is displayed.

INFO:

Highlight [Last 5 Cities] and push **<EN-TER>** to display 5 cities recently set as destinations.

3. Highlight the city of the destination from the list and push **<ENTER>**.

INFO:

In some cases, when a city name has been entered, the number of matching destinations in the "Matches" column may be different from the number displayed on the list screen. If this occurs, enter more characters to further reduce the number of matches.

SETTING A STREET ADDRESS

If you know the address of your destination, use this method to enter the address and then have the system calculate a route. You can also search for a location near the preferred destination by entering the house number if the map data contains the relevant data.

1. Push **<DEST>**.

2. Highlight [Street Address] and push **<EN-TER>**. A character input screen is displayed.

3. Enter the house number, highlight [OK] and push **<ENTER>**. If you do not know the house number, highlight [No House #] and push **<ENTER>**. A street name input screen is displayed.

4. Enter the name of the street. After finishing the entry, highlight [List] and push **<EN-TER>**. A list of cities is displayed.

Destination > Street Address
S FIGUEROA ST (CARSON, CA)
S FIGUEROA ST (GARDENA, CA)
1/2
Please select a street name

5. Highlight the correct city of the destination from the list and push **<ENTER>**.

INFO:

In some cases, when a street name has been entered, the number of matching destinations in the "Matches" column may be different from the number displayed on the list screen. If this occurs, enter more characters to further reduce the number of matches.

Destination > Street Address
Start
Route Details
Move Dest.
Add to Route
Store Dest.
POI Info.

6. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, you can adjust the location of the destination, store the route, etc.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

   To set the destination from street address: "Navigation" "Address" (Standard mode) "Address" (Alternate command mode)

INFO:

When using a voice command to set a street name, the complete street name must be stated.

Examples:

Correct input - North Elm Street
                East Jefferson Boulevard

Incorrect input - Elm Street
                  East Jefferson

SETTING A POINT OF INTEREST

This allows you to find a facility by type, and then have the system calculate a route to that destination. Specify the region and city of the destination to find it more quickly.

<div style="background:#e8eef5; padding:5px;">

NOTICE

Locations and business hours of facilities are subject to change, which may not be reflected in the map data. Double-check this information before you go to an emergency facility to ensure that you can receive the proper support. Otherwise, you may not receive emergency help even when you arrive at the destination.
A confirmation message also appears on the navigation screen. Follow the displayed instructions and check the items required.

</div>

1. Push **<DEST>**.

2. Highlight [Points of Interest] and push **<ENTER>**.

3. Select whether to search by directly inputting the facility name, or by selecting from the landmark category.

Search by inputting a landmark name

1. Highlight [By Name] and push **<ENTER>**. A character input screen is displayed.

2. Enter the name of the destination facility.

3. After finishing the entry, highlight [List] and push **<ENTER>**. A list screen is displayed.

4. Highlight the preferred destination facility from the list and push **<ENTER>**.

ℹ️ **INFO:**

- In some cases, when a POI name has been entered, the number of matching destinations in the "Matches" column may be different from the number displayed on the list screen. If this occurs, enter more characters to further reduce the number of matches.

- By selecting [By Dist.], you can sort the list by the nearest distance.
  The position of the selected location is displayed in the preview on the right side of the screen.

- By selecting [By Cat.], you can display the list that summarizes the entered names into categories. Select the category to narrow down the search.

5. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

ℹ️ **INFO:**

Even after setting a destination, you can adjust the location of the destination, store the location, etc.

☞ "OPERATIONS AFTER SETTING A DESTINATION" page 2-50

Search by selecting from the landmark category

1. Highlight the main category and push **<ENTER>**.

2. Highlight the subcategory and push **<ENTER>**.

3. Set the narrow down conditions for the landmarks.

Narrow down conditions:

- Nearby POI
  ☞ "Narrowing down with Nearby POI" page 2-32

- By Name
  ☞ "Narrowing down with By Name" page 2-33

- By city
  ☞ "Specifying the city" page 2-27

Narrowing down with Nearby POI:

1. Highlight [Nearby POI] and push **<EN-TER>**. A list screen is displayed.

2. Highlight the preferred destination from the list, and push **<ENTER>**. The position of the selected location is displayed in the preview on the right side of the screen.

ℹ️ **INFO:**

By selecting [Sort], you can sort the list in the original order.

3. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

ℹ️ **INFO:**

Even after setting a destination, you can adjust the location of the destination, store the route, etc.
☞ "OPERATIONS AFTER SETTING A DESTINATION" page 2-50

Narrowing down with By Name:

1. Highlight [By Name] and push **<ENTER>**. A character input screen is displayed.

2. Enter the name of the destination facility.

3. After finishing the entry, highlight [List] and push **<ENTER>**. A list screen is displayed.

4. Highlight the preferred destination facility from the list and push **<ENTER>**.

ℹ️ **INFO:**

● In some cases, when a POI name has been entered, the number of matching destinations in the "Matches" column may be different from the number displayed on the list screen. If this occurs, enter more characters to further reduce the number of matches.

● By selecting [By Dist.], you can sort the list by the nearest distance. The position of the selected location is displayed in the preview on the right side of the screen.

● By selecting [New Cat.], you can perform a search from another category.

5. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

ℹ️ **INFO:**

Even after setting a destination, you can adjust the location of the destination, store the location, etc.

Category list:

Restaurant	Restaurant all	
	African, American, Austrian, Balkan, Barbecue/Southern, Belgian, Bistro, Bohemian, Brewpub, British isles, Cajun/Caribbean, Californian, Canadian, Chinese, Continental, Dutch, East European, Fast food, Filipino, French, German, Greek, Grill, Hawaiian/Polynesian, Hungarian, Indian, Indonesian/ Malaysian, International, Italian, Japanese, Jewish/Kosher, Korean, Latin American, Maltese, Mexican, Middle Eastern, Oriental, Other, Pizza, Polish, Portuguese, Russian, Sandwich, Scandinavian, Seafood, Soul food, South American, South-western, Southeast Asian, Spanish, Steak house, Swiss, Thai, Turkish, Vegetarian, Vietnamese	
Shopping	Grocery store	
	Convenience stores	Convenience stores all
		7-Eleven, AM PM, Casey's General Store, Circle K, Convenient Food Stores, Cumberland Farms, Dairy Mart, Dominion stores, Holiday Station Store, JR Food store, Kash-N-Karry, Loblaw, Miracle Mart, Others, Pantry, Steinberg, Stop-N-Go, Uni Mart Inc., White Hen Pantry
	Shopping (others)	
Auto service	Auto dealers	
	Automobile club	
	Gas station	Gas station all
		Amoco, Arco, Beacon (Valero), BP, Chevron, Citgo, Conoco, Diamond Shamrock, Esso, Exxon, Fina, Getty, Gulf, Husky, Marathon, Mobil, Mohawk, Others, Petro-Canada, Phillips 66, Pioneer, Shamrock, Shell, Sinclair, Speedway, Sunoco, Superamerica, Texaco, Ultramar USA, Ultramar (Valero), Unocal 76, Valero
	Rental car agency	
	Auto service & maintenance	
	NISSAN dealer	
	INFINITI dealer	

Travel	Airport	
	Border crossing	
	Bus station	
	Commuter rail station	
	Ferry terminal	
	Hotel	Hotel all America Inn & Suites, Amerihost (Cendant), Amerisuites, Baymont Inn & Suites, Best Western, Candlewood Suites, Clarion, Country Hearth Inn, Country Inn Suites (Carlson Group), Courtyard by Marriott, Crossland Motel, Crowne Plaza, Days Inn, Double Tree (Hilton Group), Drury Inn/Pear Tree by Drury, Econo Lodge, Embassy Suites, Extended Stay, Fairfield Inn, Four Seasons, Hampton Inn, Hawthorn Suites, Hilton, Hilton Garden Inn, Holiday Inn, Holiday Inn Express, Homestead, Homewood, Howard Johnson, Hyatt, Intercontinental, Jameson Inns/Signature Inns, Knights Inn (Cendant), La Quinta Inn, Leows Hotels, Mainstay Suites (Choice), Microtel Inn & Suites, Motel 6/Studio 6, Others, Park Inn (Carlson Group), Quality, Radisson, Ramada Inn, Red Roof Inn, Relax Inn, Renaissance (Marriott), Residence Inns, Ritz Carlton, Rodeway Inn (Choice), Scottish Inn, Sheraton, Shilo Inn, Shoney's Inn, Sleep Inn (Choice), Spring Hill Suites (Marriott), St Regis (Starwood), Staybridge Suites, Studio Plus, Super 8, TownePlace Suites (Marriott), Travelodge, Village (Cendant), W Hotels, Westin, Wingate Inn (Cendant), Wyndham
	Automobile club	
	Rental car agency	
	Rest area	
	Ski resort	
	Tourist attraction	
	Tourist information	
	Train station	
	Auto service & maintenance	

Banking	ATM
	Bank
Hospital	
Community	City hall, Community center, Convention/Exhibition center, Court house, Historical monument, Hospital, Library, Marina, Museum, Police station, Park/Recreation area, School, Sports center, Sports complex, Performing arts, Higher education
Leisure	Amusement park, Bowling center, Casino, Movie theater, Convention/Exhibition center, Golf course, Historical monument, Ice skating rink, Marina, Museum, Nightlife, Park/Recreation area, Ski resort, Sports center, Sports complex, Performing arts, Tourist attraction, Tourist information, Winery
Parking	Parking lot
	Park & Ride
	Parking garage
Others	Border crossing, Business facility, Court house, Historical monument, Police station, School, Higher education

SETTING YOUR HOME

This allows you to set your home as the destination and have the system calculate a route. It is useful especially when you are searching for a route to return to your home.

1. Push **<DEST>**.

2. Highlight [Home] and push **<ENTER>**.

3. A confirmation message is displayed, and the system sets your home as the destination.

INFO:

If you have not stored your home yet, the system will automatically display a screen for storing it.
☞ "STORING A LOCATION" page 2-80

4. Your home is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

To set your home as the destination:
"Navigation" "Home" (Standard mode)
"Home" (Alternate command mode)

SETTING FROM ADDRESS BOOK

This allows you to set the destination to a location stored in the Address Book and have the system calculate a route. To utilize this function more effectively, destinations that you often travel to should be stored in advance.

1. Push **<DEST>**.

2. Highlight [Address Book] and push **<EN-TER>**. A list screen is displayed.

3. Highlight the preferred location from the list and push **<ENTER>**.

INFO:

Selecting [Sort List] displays a list of various sort functions.
To use the sort functions, stored locations must be set in advance.
☞ "Editing the stored home and location" page 2-87

1 Sort by number:

The Address Book entries are displayed in ascending numerical order.

2 Sort by name:

The Address Book entries are displayed in alphabetic order.

3 Sort by icon:

By selecting a particular icon, a list that contains only the Address Book entries associated with that icon is displayed.

4 Sort by group:

By selecting a particular group (family, friends, leisure, etc.), the selected group is displayed at the top of the list.

4. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

ℹ️ **INFO:**

Even after setting a destination, you can adjust the location of the destination, store the route, etc.
☞ "OPERATIONS AFTER SETTING A DESTINATION" page 2-50

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

   To set the destination from the Address Book:
   "Address book" (Alternate command mode)

SETTING A NEARBY PLACE

This allows you to set the destination to a facility located near the current vehicle location or another location that you move to by scrolling the map, and then have the system calculate a route.

If there is any particular Points of Interest type that you intend to use frequently, you can store it in the list of nearby Points of Interest.
☞ "Customizing nearby places" page 2-105

1. Push **<DEST>**.

2. Highlight [Nearby Places] and push **<ENTER>**.

3. Highlight the preferred destination Points of Interest and push **<ENTER>**.
A list screen is displayed.

4. Highlight the preferred destination from the list, and push **<ENTER>**.
The position of the selected location is displayed in the preview on the right side of the screen.

INFO:

● If the suggested route is already set, by highlighting [Show Along Route] and pushing **<ENTER>**, the system displays only the facilities located along the route.

● A maximum of 100 facilities can be displayed on the list screen.

5. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

INFO:

● If the route is already set, the selected location becomes a waypoint.

● You can also set the destination by pushing **<ENTER>** in the current location map screen and selecting [Nearby].

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

To display the nearby category list and select the destination from it:
"Navigation" "Places" (Standard mode)
"Nearby **<POI Category>**" (Alternate command mode)
"Nearby Places" (Alternate command mode)

SETTING A PREVIOUS DESTINATION

This allows you to set the destination to a location that you have previously set as the destination and have the system calculate a route. Up to 100 previous destinations will be automatically stored.

If the number of previous destinations exceeds 100, the oldest one will be replaced by the new one.

1. Push **<DEST>**.

2. Highlight [Previous Dest.] and push **<ENTER>**. A list screen is displayed.

3. Highlight the preferred destination from the list and push **<ENTER>**.

4. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, you can adjust the location of the destination, store the route, etc.
☞ "OPERATIONS AFTER SETTING A DESTINATION" page 2-50

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

To display the Previous Destinations list:
"Navigation" "Previous Destinations" (Standard mode)
"Previous Destinations" (Alternate command mode)

SETTING THE PREVIOUS STARTING POINT

This allows you to set the destination to the starting point of the previous route guidance and have the system calculate a route.

1. Push **<DEST>**.

2. Highlight [Next Page] and push **<ENTER>**.

3. Highlight [Previous Starting Point] and push **<ENTER>**.

4. The starting point of the route of the previous route guidance is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, you can adjust the location of the destination, store the route, etc.
☞ "OPERATIONS AFTER SETTING A DESTINATION" page 2-50

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

To set the previous start point as the destination: "Previous Start Point" (Alternate command mode)

SETTING FROM STORED ROUTES

You can select a preferred route from the stored routes.

1. Push **<DEST>**.

2. Highlight [Next Page] and push **<ENTER>**.

3. Highlight [Stored Routes] and push **<EN-TER>**. A list screen is displayed.

4. Highlight the preferred route from the list and push **<ENTER>**. The route to the destination is set.

5. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

i INFO:

● Even after setting a destination, you can adjust the location of the destination, store the location, etc.
☞ "OPERATIONS AFTER SETTING A DESTINATION" page 2-50

● The stored route includes only locations (destination and waypoints) and route calculation conditions, not the route itself. Therefore, when the destination is set using a stored route, a different route may be suggested if the current vehicle location is different from the one when the route was stored.

SETTING BY PHONE NUMBER

If you know the telephone number of the facility, use this to find the facility by entering the number, and then have the system calculate a route.

INFO:

- Telephone numbers that were stored for stored destinations can also be used.

- If the area code of the specified telephone number does not exist in the map data, the system will not search for the location.

- Only the locations included in the database in the map data can be searched by the phone number. Personal phone numbers cannot be used to search for a location.

1. Push **<DEST>**.

2. Highlight [Next Page] and push **<ENTER>**.

3. Highlight [Phone Number] and push **<ENTER>**. The telephone number input screen is displayed.

4. Enter the telephone number including the area code.

5. After finishing the entry, highlight [Map] and push **<ENTER>**.
   "Phone number input screen" page 1-17

6. Displays a list screen if there are two or more search results. Highlight the preferred destination from the list and push **<ENTER>**.

7. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

ℹ️ **INFO:**

Even after setting a destination, you can adjust the location of the destination, store the route, etc.

👉 "OPERATIONS AFTER SETTING A DESTINATION" page 2-50

SETTING A FREEWAY ENTRANCE/ EXIT

This allows you to set the destination to an entrance or exit of a freeway, and then have the system calculate a route.

1. Push **<DEST>**.

2. Highlight [Next Page] and push **<ENTER>**.

3. Highlight [Freeway Entrance/Exit] and push **<ENTER>**. A character input screen is displayed.

4. Select a region and enter the name of the freeway.

5. After finishing the entry, highlight [List] and push **<ENTER>**.

6. Highlight the freeway of the destination from the list, and push **<ENTER>**.

7. Highlight [Entrance] or [Exit] and push **<ENTER>**. A list screen is displayed.

8. Select the preferred destination from the list. The position of the selected location is displayed in the preview on the right side of the screen. Then, push **<ENTER>**.

INFO:

By selecting [By Distance], you can sort the list by the nearest distance.

9. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, you can adjust the location of the destination, store the route, etc.

☞ "OPERATIONS AFTER SETTING A DESTINATION" page 2-50

SETTING AN INTERSECTION

This allows you to set the destination to an intersection of any two streets, and then have the system calculate a route.

1. Push **<DEST>**.

2. Highlight [Next Page] and push **<ENTER>**.

3. Highlight [Intersection] and push **<EN-TER>**. A character input screen is displayed.

4. Enter the name of the 1st street.
   After finishing the entry, highlight [List] and push **<ENTER>**. A list screen is displayed.

5. Highlight a street as the 1st street from the list and push **<ENTER>**. A character input screen is displayed.

6. Enter the name of the 2nd street.
   After finishing the entry, highlight [List] and push **<ENTER>**. A list screen is displayed.

7. Highlight a street as the 2nd street from the list and push **<ENTER>**.

Destination > Intersection

8. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**. The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, you can adjust the location of the destination, store the route, etc.
☞ "OPERATIONS AFTER SETTING A DESTINATION" page 2-50

SETTING A CITY CENTER

This allows you to have the system calculate a route to the center of a city, without setting a specific location.

Destination

1. Push **<DEST>**.

2. Highlight [Next Page] and push **<ENTER>**.

Destination > Next Page

3. Highlight [City Center] and push **<EN-TER>**. A character input screen is displayed.
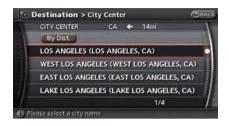

Destination > City Center

4. Enter the name of the city, highlight [List] and push **<ENTER>**. A list screen is displayed.

INFO:

Highlight [Last 5 Cities] and push **<EN-TER>** to display 5 cities recently set as destinations.

5. Highlight the preferred destination from the list and push **<ENTER>**. The position of the selected location is displayed in the preview on the right side of the screen.

INFO:

By selecting [By Dist.], you can sort the list by the nearest distance.

6. The selected destination is displayed at the center of the map. Highlight [Start] after confirming the location of the displayed destination, and push **<ENTER>**.
The system sets the destination to the selected location and starts calculating a route.

INFO:

Even after setting a destination, you can adjust the location of the destination, store the route, etc.

SETTING FROM MAP

This allows you to search for a destination by scrolling the map, and then have the system calculate a route to the destination.

1. Scroll the map, place the cross pointer over the preferred location, and push **<ENTER>**.

INFO:

● Adjust the map scale to search for a location more effectively.

● The point on the blinking road where the center of the cross pointer is located can be set as a destination.

2. Highlight [New Dest.] and push **<ENTER>**.

ℹ️ **INFO:**

For the items except for [New Dest.], refer to "Map menu screen".

☞ "SCROLLED LOCATION MAP SCREEN" page 2-20

3. The system sets the destination to the selected location and starts calculating a route.

ℹ️ **INFO:**

If you set the destination on a freeway, a confirmation message is displayed.

OPERATIONS AFTER SETTING A DESTINATION

The following operations are available after you set a destination.

ℹ️ **INFO:**

The menu will not be displayed if you select, [Stored Route] or [Nearby Places] from the Destination menu.

Available items

- Start:
  Sets the destination. If the route is already set, the location becomes the new destination, and the route is recalculated.

- Route Details:
  Allows you to change the route search conditions or to check the route information.
  ☞ "PROCEDURES AFTER SETTING A DESTINATION" page 2-53

- Move Dest.:
  Displays a map screen where you can adjust the location of the destination.

- Add to Route:
  Allows you to add a waypoint to the route already set.

- Store Dest.:
  Allows you to store the location in the Address Book.

- POI Info.:
  Allows you to view information about the facility that you have set as the destination if it is included in the map data.

Adjusting the location of the destination

You can adjust the location of the destination by moving the cross pointer across the map.

1. Set the destination using an appropriate method.

2. Highlight [Move Dest.] and push **<ENTER>**.

3. Adjust the location by moving the cross pointer across the map and push **<ENTER>**. The location of the destination is modified.

INFO:

- Touching the map screen displayed on the right side of the screen also changes to the screen for adjusting the location.

- Touch the scale icon to change the map scale.

- Even if you touch the map screen, the same map screen as when [Move Dest.] is selected is displayed.

Adding additional destinations to a route

Even after the route is already set, you can add a searched location as a new destination or waypoint to that route.
If the route has not been set, [Add to Route] cannot be selected.

1. Set the destination using an appropriate method.

2. Highlight [Add to Route] and push **<EN-TER>**.

3. Highlight [Destination] or [Waypoint] and push **<ENTER>**.

Storing a location

A searched location can be stored in the Address Book. Then it can be easily retrieved and set as a destination (or waypoint).

1. Set the destination using an appropriate method.

2. Highlight [Store Dest.] and push **<ENTER>**.

3. The location is stored in the Address Book. The corresponding icon is displayed at the set location on the map.

Viewing information about the searched location

Information (street address and phone number) about Points of Interest stored in the map data can be displayed.

1. Set the destination using an appropriate method.

2. Highlight [POI Info.] and push **<ENTER>**.

3. Information about the location is displayed.

4. Push **<BACK>**, or highlight [OK] and push **<ENTER>** to return to the previous screen.

ℹ️ **INFO:**

● If [call] is displayed on the right side of the screen, it is possible to call the location indicated.

● The Bluetooth® Hands-Free Phone System is required to be active to the call location indicated.

● Information about locations is not displayed while driving.

ROUTE GUIDANCE

PROCEDURES AFTER SETTING A DESTINATION

After performing the route search, you can immediately start the route guidance. Also, it is possible to confirm or change the route.

Available items

● Start:
Starts route guidance to the selected destination.
☞ "Starting route guidance" page 2-54

● More Routes:
Displays 3 alternative routes.
☞ "Selecting a route" page 2-54

- Route Info:
  Displays the route information.
  ☞ "Confirming a route" page 2-55

- Add Way Pt.:
  Allows you to edit the route by adding a destination or waypoint.
  ☞ "Adding a destination or waypoint" page 2-55

- Map Scroll:
  Displays a map screen where you can confirm the location of the destination.

INFO:

- If you have not performed any operations on the system for several seconds, [Start] is automatically selected, and the system starts route guidance.

- When a waypoint has already been set, you cannot select [More Routes].

- Even if you touch the map screen, the same map screen as when [Map Scroll] is selected is displayed.

Starting route guidance

1. Highlight [Start] and push **<ENTER>**. Route guidance starts.

Selecting a route

1. Highlight [More Routes] and push **<ENTER>**.

2. Highlight the preferred route condition and push **<ENTER>**.

3. Push **<BACK>** to return to the previous screen.

1️⃣ Short. Time (Blue):
   Prioritizes by the shortest time.

2️⃣ Min. FWY (Red):
   Minimizes the use of freeways.

3️⃣ Short. Dist. (Green):
   Prioritizes by the shortest distance.

4️⃣ Map Scroll:
   Displays a map screen where you can confirm the location of the destination.
   Even if you touch the map screen, the same map screen as when [Map Scroll] is selected is displayed.

INFO:

- After you select a route, a preview is displayed on the right side of the screen.

- The 3 routes may not always be different.

Confirming a route

1. Highlight [Route Info.] and push **<ENTER>**.

2. Highlight the preferred information item and push **<ENTER>**.

3. Push **<BACK>** to return to the previous screen.

Available items

- Turn list:
  Displays the details of the suggested route.
  ☞"Using turn list" page 2-64

- Preview:
  Allows you to confirm the route by scrolling on the map manually.
  ☞"Using route preview" page 2-64

- Simulation:
  Allows you to view a simulation of the route.
  ☞"Confirming by simulation" page 2-65

- Store route:
  A calculated route can be stored. A maximum of 5 routes can be stored. Stored routes can be easily retrieved and set as the suggested route.
  ☞"STORING A ROUTE" page 2-83

- Map Scroll:
  Displays a map screen where you can confirm the location of the destination.
  Even if you touch the map screen, the same map screen as when [Map Scroll] is selected is displayed.

Adding a destination or waypoint

Before starting route guidance, you can add destinations and/or waypoints. A total of 6 destinations or waypoints can be set.

1. Highlight [Add Way Pt.] and push **<ENTER>**.

2. Set additional destinations or waypoints and push **<ENTER>**.

INFO:

The method of searching for a location is the same as the one for a destination.
☞ "2. SETTING A DESTINATION"

3. The selected location is displayed at the center of the map. Highlight [Add to Route] after confirming the location and push **<ENTER>**.

INFO:

You can modify the location by selecting [Move Location]. The method of adjusting a location is the same as the one for a destination.
☞ "Adjusting the location of the destination" page 2-51

4. Highlight [Destination] or [Waypoint] and push **<ENTER>**.

The system starts calculating a route that includes the added destination or waypoint. When the calculation is finished, the route is displayed.

INFO:

● If a waypoint was added, [More Routes] cannot be selected.

● If a destination was added, the prior destination becomes a waypoint.

ROUTE SCREEN

During route guidance, you can modify the route conditions or confirm the route information. Set the appropriate route condition according to your purpose.

⚠ WARNING

**Always stop the vehicle in a safe location before modifying the route conditions.
Modifying the route conditions while driving may cause an accident.**

1. Push **<ROUTE>**.

2. Highlight the preferred setting item and push **<ENTER>**.

3. Push **<MAP>** to return to the current location map screen.

Available items

● Cancel Route/Resume Route:
Allows you to cancel the current route guidance. A cancelled route can also be reactivated. If the suggested route is cancelled, [Cancel Route] changes to [Resume Route].
☞"DELETING/REACTIVATING A ROUTE" page 2-57

● Edit:
Allows you to edit the route already set.
☞"EDITING A ROUTE" page 2-59

● Route Information:
Allows you to confirm the route by the route information or simulation.
☞"CONFIRMING A ROUTE" page 2-63

● Traffic Detour:
Allows you to manually search for an alternative detour route taking the traffic information into consideration.
☞"SEARCHING FOR A DETOUR ROUTE TAKING TRAFFIC INFORMATION INTO CONSIDERATION" page 2-65

● Route Settings:
Allows you to change the route calculation conditions anywhere along the route.
☞"SETTING CONDITIONS FOR THE ROUTE CALCULATION" page 2-67

● Recalculate:
You can manually search for the route again after changing the search condition.
☞"RECALCULATE ROUTE" page 2-69

● Detour:
If you want to detour from the suggested route, you can calculate a route detouring for a specified distance.
☞"SETTING A DETOUR ROUTE" page 2-71

● Guidance Settings:
You can set various guidance information to be displayed during route guidance and activate or deactivate route and/or voice guidance.
☞"ROUTE GUIDANCE SETTINGS" page 2-72

DELETING/REACTIVATING A ROUTE

You can delete a route already set at any time. If you delete a route, the destination and way-points are also deleted.

It is also possible to reactivate the route that you deleted.

Deleting a route

1. Push **<ROUTE>**.

2. Highlight [Cancel Route] and push **<ENTER>**.

3. A confirmation message is displayed. Highlight [Yes] and push **<ENTER>**.

   The route is deleted along with the destination and waypoints.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

   To delete a route:
   "Cancel Route" (Alternate command mode)

Reactivating a route

1. Push **<ROUTE>**.

2. Highlight [Resume Route] and push **<ENTER>**.

3. A confirmation message is displayed. Highlight [Yes] and push **<ENTER>**. The route you have deleted is reactivated.

INFO:

If you set a new route, the deleted route cannot be reactivated.

EDITING A ROUTE

1. Push **<ROUTE>**.

2. Highlight [Edit] and push **<ENTER>**.

3. Highlight the preferred condition and push **<ENTER>**.

4. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

Available items

1 Current destination:
Allows you to change or delete the destination.
☞ "Editing/deleting a destination or way- point" page 2-61

2 Current waypoint:
Allows you to change or delete the waypoint.
☞ "Editing/deleting a destination or way- point" page 2-61

3 Condition for calculating a route to the destination:
Allows you to change the conditions for calculating a route to the destination.
☞ "Changing route calculation condi- tions" page 2-62

4 Condition for calculating a route to a waypoint:
Allows you to change the conditions for calculating a route to a waypoint.
☞ "Changing route calculation condi- tions" page 2-62

5 Allows you to add a destination.
☞ "Setting a destination or waypoint" page 2-60

6 Allows you to add a waypoint.
☞ "Setting a destination or waypoint" page 2-60

Setting a destination or waypoint

You can add a destination or waypoint to the route already set. A total of 6 destinations or waypoints can be set.

1. Push **<ROUTE>**.

2. Highlight [Edit] and push **<ENTER>**.

3. Highlight [Destination] or [Waypoint] and push **<ENTER>**.

INFO:

If you select [Destination], the current destination changes to a waypoint.

4. Set a destination or waypoint. The method of searching for a destination or waypoint is the same as the one for a destination.
☞ "SETTING A DESTINATION" page 2-26

5. The selected location is displayed at the center of the map. Highlight [Add to Route] after confirming the location and push **<ENTER>**.

INFO:

Even after setting a destination/waypoint, you can adjust the destination/waypoint location, store the route, etc.
☞ "OPERATIONS AFTER SETTING A DESTINATION" page 2-50

6. Return to the Edit Route screen. Set the route conditions as necessary.

7. Push **<MAP>** to return to the current location map screen. The route you have set is automatically displayed.

INFO:

The prior route is automatically deleted.

Editing/deleting a destination or waypoint

You can modify or delete the destination or waypoint already set.

INFO:

If you modify or delete a location when a suggested route is already set, the prior suggested route will be recalculated accordingly.

1. Push **<ROUTE>**.

2. Highlight [Edit] and push **<ENTER>**.

3. Highlight a destination or waypoint that is already set and push **<ENTER>**.

4. Highlight [Move Dest.] to modify the location and push **<ENTER>**.
   ☞ "Adjusting the location of the destination" page 2-51

5. Highlight [Delete] and push **<ENTER>** to delete the location.

6. A confirmation message is displayed. Confirm the contents of the message, highlight [Yes] and push **<ENTER>**. The destination or waypoint is deleted from the route.

INFO:

- If the destination is deleted, the final waypoint of the route becomes the destination.

- Even if you touch the map screen, the same map screen as when [Move Dest.] is selected is displayed.

Changing route calculation conditions

Each section of the route between waypoints can have different route calculation conditions. After setting these conditions, you can recalculate the entire route.

1. Push **<ROUTE>**.

2. Highlight [Edit] and push **<ENTER>**.

3. Highlight the preferred section of the route to the destination or waypoint and push **<ENTER>**.

4. Highlight the preferred condition and push **<ENTER>**.

   Available conditions:

   : Fastest Route

   : Minimize Freeway

   : Shortest Route

5. The system automatically recalculates a route according to the conditions set.
   The screen will automatically return to the [Edit] screen after route calculation.

6. The icon corresponding to the set route condition is displayed. Push **<MAP>** to return to the current location map screen.

INFO:

- The recalculated route may not be the shortest route because the system prioritizes easy-to-drive roads for safety reasons.

- If you set the route conditions from [Route Settings], all sections in the route are subject to the same route conditions even though you have set different route conditions for different sections in [Edit].

CONFIRMING A ROUTE

When the suggested route is displayed after calculation, you can confirm the route information or simulate the suggested route.

1. Push **<ROUTE>**.

2. Highlight [Route Information] and push **<ENTER>**.

3. Highlight the preferred item and push **<ENTER>**.

Available items

- Turn list:
  Displays the details of the suggested route.
  "Using turn list" page 2-64

- Preview:
  Allows you to confirm the suggested route by scrolling the map.
  "Using route preview" page 2-64

- Simulation:
  Allows you to simulate the suggested route. This function provides a detailed image of the route with voice guidance.
  "Confirming by simulation" page 2-65

- Store Route:
  A calculated route can be stored. A maximum of 5 routes can be stored. Stored routes can be easily retrieved and set as the suggested route.
  "STORING A ROUTE" page 2-83

- Map Scroll:
  Displays a map screen where you can confirm the location of the destination.
  Even if you touch the map screen, the same map screen as when [Map Scroll] is selected is displayed.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

   To display the route information:
   "Route Information" (Alternate command mode)

Using turn list

1. Highlight [Turn List] and push **<ENTER>**.

2. You can confirm the information (e.g., intersections) on the route to the destination by scrolling the screen using the center dial.

3. Push **<MAP>** to return to the current location map screen.

Using route preview

1. Highlight [Preview] and push **<ENTER>**.

2. Highlight the preferred key and push **<ENTER>**.

   : Goes forward in the direction of the destination.

   : Goes backward in the direction of the starting point.

   : Pauses the route preview.

3. Push **<MAP>** to return to the current location map screen.

INFO:

During route preview, you can change the map scale by turning the center dial.

While the map scale is being changed, the route preview is temporarily stopped.

Confirming by simulation

1. Highlight [Simulation] and push **<ENTER>**.

2. Highlight the preferred key and push **<ENTER>**.

   ⏸ : Pauses the simulation.

   ▶ : Resumes the simulation.

   ⏹ : Ends the simulation.

3. Push **<MAP>** to return to the current location map screen.

ℹ **INFO:**

During simulation, you can change the map scale by turning the center dial.

While the map scale is being changed, the simulation is temporarily stopped.

SEARCHING FOR A DETOUR ROUTE TAKING TRAFFIC INFORMATION INTO CONSIDERATION

When a serious traffic event occurs on the route, or if the system finds a faster route, a detour alert will pop up automatically. If you miss the automatic alert, you can also manually search for a detour.

1. Push **<ROUTE>**.

2. Highlight [Traffic Detour] and push **<ENTER>**.

3. When the detour search is successful, detailed information about the detour route (left screen) and the comparison screen of the two routes (right screen) are displayed.

   1 Yellow: Original route

   2 Pink: Detour route

   3 The change of distance and estimated travel time to destination when the detour route is taken.

4. If you want to accept the suggested detour route, select [Yes], and then push **<ENTER>**.

INFO:

- If no route is set, or "Use Traffic for Route Calculation" is turned off, this function cannot be operated.

- If you do not select the detour route and provide no further action, the detour route will be automatically cancelled.

- You can try to retrieve the detour suggestion even after the message disappears by manually selecting "Traffic Detour". The system will then search for the detour again and suggest a detour if one is available at that time.

- If you have not subscribed to XM® Nav-Traffic™, it will not be possible to get a traffic detour or apply settings for traffic information related functions. A message appears when a related menu item is selected.

- See "NOTES ON XM® NavTraffic™ IN-FORMATION" for further information.

Automatic detour guidance

When "Auto Reroute" and "Use Traffic for Route Calculation" are turned on, a message will automatically pop up when the system finds a detour.

1. If a traffic jam or a serious traffic problem occurs on the route while driving along the suggested route, the automatic detour route search starts and a message pops up if a detour is found. To confirm the detour route, highlight [Yes] and push **<ENTER>**.

2. If you want to accept the suggested detour route, highlight [Yes] and push **<ENTER>**.

INFO:

- If no operation is performed for one minute after the message is displayed, the message disappears. The detour will not be accepted, and the current suggested route will remain unchanged.

- When the "Traffic Announcement" function is turned on, you will hear the voice guidance at the same time that the message appears on the screen.

SETTING CONDITIONS FOR THE ROUTE CALCULATION

The route can be recalculated after changing the route calculation conditions anywhere along the route.

1. Push **<ROUTE>**.

2. Highlight [Route Settings] and push **<ENTER>**.

3. Highlight the preferred condition and push **<ENTER>**. The indicator for the selected condition illuminates.

4. When the current location map screen or route setting screen is displayed, the system recalculates a route with the set conditions.

Available items

● Fastest Route:
  Prioritizes by the fastest time.

● Minimize Freeway:
  Minimizes the use of freeways.

● Shortest Route:
  Prioritizes by the shortest route.

🛈 INFO:

Only one of these conditions can be utilized at a time.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

   To set conditions for the route calculation:
   "Fastest Route" (Alternate command mode)
   "Minimize Freeway" (Alternate command mode)
   "Shortest Route" (Alternate command mode)

Detailed route settings

Detailed conditions can be set for the route calculation.

1. Push **<ROUTE>**.

2. Highlight [Route Settings] and push **<ENTER>**.

3. Highlight [Detailed Route Settings] and push **<ENTER>**.

4. Highlight the preferred condition and push **<ENTER>**. The indicator for the selected condition illuminates.

5. When the current location map screen or route setting screen is displayed, the system recalculates a route with the set conditions.

Available items

- Minimize Toll Roads:
  Minimizes the use of toll roads.

- Traffic Info. Settings:
  A link to traffic information setting menu, where you can confirm or change whether to consider traffic information when searching for a route.

- Use Time Restricted Roads:
  Uses any roads subject to time restrictions.

- Use Avoid Area Settings:
  Enables the avoid area setting.

- Use Ferries:
  Includes the use of ferries.

- Auto Reroute:
  If the vehicle deviates from the suggested route, the system automatically recalculates a route that leads the vehicle to the suggested route.

INFO:

- The recalculated route may not be the shortest route because the system prioritizes easy-to-drive roads for safety reasons.

- If you set the route conditions from [Route Settings], all sections in the route are subject to the same route conditions even though you have set different route conditions for different sections in [Edit].

- If [Use Time Restricted Roads] is deactivated, the system calculates a route without any consideration of the regulations concerning the time or day of the week. Therefore, the suggested route may include a road subject to traffic regulations concerning the time or day of the week. When driving along the route, always follow all traffic regulations regardless of whether [Use Time Restricted Roads] is ON or OFF.

- If the system cannot calculate any alternative routes, it displays the previous route.

- If the vehicle overly deviates from the suggested route, the system calculates a new route.

Traffic Information Settings

Allows you to confirm or change the settings for the traffic information related functions.

1. Push **<ROUTE>**.

2. Highlight [Route Priority] and push **<EN-TER>**.

3. Highlight [Detailed Route Priorities] and push **<ENTER>**.

4. Highlight [Traffic Info. Settings] and push **<ENTER>**.

5. Highlight the preferred condition and push **<ENTER>**. The indicator for the selected condition illuminates.

6. When the current location map screen or route setting screen is displayed, the system recalculates a route with the set conditions.

Available items

- Use Traffic Info.:
  Enables all traffic information related functions.

- Show Traffic Flow on Map:
  Displays the traffic flow with an arrow on the map screen.

- Show Incidents on Map:
  Displays the traffic incidents (e.g., accident) on the map screen.

- Blink Red Traffic Flow:
  Blinks the red traffic flow lines that represent congestions.

- Use Traffic for Travel Time:
  Calculates the estimated travel time to destination taking traffic flow into consideration.

- Use Traffic for Route Calculation:
  Allows you to perform the route search with the traffic information taken into consideration.
  When "Auto Reroute" is set, the detour route search can be performed automatically.

- Traffic Announcements:
  This can provide you with the announcement of the traffic information event on the route.

INFO:

- An XM® NavTraffic™ subscription is required in order to receive Traffic Information.

- Even when "Show Traffic Flow On Map" and "Show Incidents on Map" are set to off, the list display of "Info On Route" and "Nearby Traffic Info" will not be affected.

- Even when "Traffic Announcements" is set to off, the route guidance will not be affected. Also, the announcement of emergency information will not be turned off.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

   To turn on/off the traffic information system:
   "Traffic Info." (Alternate command mode)
   "Information" "Traffic Info." (Standard mode)

RECALCULATE ROUTE

You can manually search for the route again after changing the search condition. When the vehicle deviates from the suggested route, the route from the current location to the destination is automatically searched again.

Re-searching the route manually

1. Push **<ROUTE>**.

2. Highlight [Recalculate] and push **<ENTER>**.

3. A message is displayed, and the route is recalculated.

4. Set the route conditions. After finishing the setting, highlight [Start] and push **<EN-TER>**.
   ☞ "PROCEDURES AFTER SETTING A DESTINATION" page 2-53

 Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command. To recalculate a route:
   "Recalculate" (Alternate command mode)

Setting the auto reroute

1. Push **<ROUTE>**.

2. Highlight [Route Settings] and push **<EN-TER>**.

3. Highlight [Detailed Route Settings] and push **<ENTER>**.

4. Highlight [Auto Reroute] and push **<EN-TER>**. The indicator for the selected condition illuminates. When the current location map screen or route setting screen is displayed, the system recalculates a route with the set conditions.

☞ "Detailed route settings" page 2-67

SETTING A DETOUR ROUTE

If you want to detour from the suggested route, you can calculate a route detouring for a specified distance.

1. Push **<ROUTE>**.

2. Highlight [Detour] and push **<ENTER>**.

3. Highlight a detour distance and push **<EN-TER>**.

   After calculating the detour, the system displays the detour route on the map.

INFO:

● When the vehicle has deviated from the suggested route, [Detour] cannot be selected.

● If the system cannot calculate a detour with the specified conditions, it displays the previous suggested route.

● If the vehicle is traveling very fast, the detour route may start from a location that the vehicle has already passed.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

   To set a detour route:
   "Detour" (Alternate command mode)

ROUTE GUIDANCE SETTINGS

You can set various guidance information to be displayed during route guidance and activate or deactivate route and/or voice guidance.

1. Push **<ROUTE>**.

2. Highlight [Guidance Settings] and push **<ENTER>**.

3. Highlight the preferred item and push **<ENTER>**.

4. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

Available items

● Guidance Screen Default:
Sets the default display screen for route guidance.
☞ "Visual guidance settings" page 2-73

● Route Guidance:
Activates or deactivates route guidance. Route guidance is activated when the indicator illuminates. Route information is not available when route guidance is set to OFF.

● Guidance Voice:
Activates or deactivates voice guidance. The indicator illuminates if voice guidance is activated.

● Traffic Info. Settings:
Allows you to apply settings such as performing a route search with the traffic information taken into consideration.

● Estimated Travel Time:
Switches the display of estimated travel time to the destination or waypoint that is displayed on the map screen.

● Exit Info. on Turn List:
Sets the information icon displayed in the turn list to ON/OFF.

● Turning Point Sound:
Sets the guide point sound to ON/OFF.

● Small Turn Arrow on Map:
Activates or deactivates the Small Turn Arrow on Map (simplified turn indicator) displayed in the upper left corner of the map screen. The indicator illuminates if the Small Turn Arrow on Map is displayed.

● Voice Announcements:
Sets how many times voice guidance is repeated for guide points.
☞ "Voice guidance settings" page 2-76

● Set Average Speeds:
Allows you to set an average vehicle speed for each type of road, which is reflected in the calculation of the required time to the destination.
☞ "Set average speeds" page 2-77

Visual guidance settings

The guidance screen can be displayed at all times even when the vehicle is located away from the guide point. You can choose which screen is to be displayed.

1. Push **<ROUTE>**.

2. Highlight [Guidance Settings] and push **<ENTER>**.

3. Highlight [Guidance Screen Default] and push **<ENTER>**.

4. The indicator of the selected type of guidance illuminates.

Intersection Map:

The map screen and the enlarged intersection view can be displayed at the same time.

ℹ️ **INFO:**

Push **<MAP>** to switch to the full map screen.

Turn list:

The list screen for showing the guide points to the destination and the map screen can be displayed at the same time. An enlarged intersection view is automatically displayed when the vehicle approaches the guide point.

ℹ️ **INFO:**

- Turn list can be scrolled using the center dial.

- Push **<MAP>** to switch to the full map screen. Push **<MAP>** again to display the turn list. When approaching a guide point, the enlarged view of the intersection is automatically displayed. To display the turn list, push **<MAP>**. To display the map screen, push **<MAP>** again.

Map:

The current location map is displayed. An enlarged intersection view is automatically displayed when the vehicle approaches the guide point.

INFO:

When an enlarged intersection view is displayed, you can return to the map screen by pushing **<MAP>**.

Switching of required time display

The display of the travel time on the map screen can be switched between the travel time to the destination and the travel time to the waypoint.
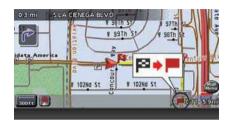
Example: Switching the display to the travel time to the waypoint

1. Push **<ROUTE>**.

2. Highlight [Guidance Settings] and push **<ENTER>**.

3. Highlight [Estimated Travel Time] and push **<ENTER>**.

4. Use the center dial to switch from "Dest." to "Waypoint".

5. Push **<MAP>** to return to the current location map screen.

6. The icon displayed on the map screen is switched, and the travel time to the waypoint is displayed.

    Displayed icon

    🏁 : Display of the travel time to the destination

    🚩 : Display of the travel time to the waypoint

Deactivating the information icon display in the turn list

The display of information icons in the turn list including the highway exits, junctions, and rest areas can be deactivated.

1. Push **<ROUTE>**.

2. Highlight [Guidance Settings] and push **<ENTER>**.

3. Highlight [Exit Info. on Turn List] and push **<ENTER>** to turn off the indicator.

4. Push **<MAP>** to return to the current location map screen.

5. The information icon display in the turn list is now deactivated.

Selecting a waypoint from the turn list:

When [Exit info. on Turn List] is set to on, you can set a waypoint to a facility located near the freeway exit.

1. Highlight the exit where the traffic information icon is displayed, and push **<ENTER>**. The category list screen is displayed.

2. Highlight the landmark category and push **<ENTER>**. The list screen for showing facilities located near the freeway exit is displayed.

3. Highlight the preferred facility for the way-point and push **<ENTER>**.

4. The waypoint is set, and the route search is performed.
   ☞ "PROCEDURES AFTER SETTING A DESTINATION" page 2-53

Voice guidance settings

You can set how many times voice guidance is repeated.

1. Push **<ROUTE>**.

2. Highlight [Guidance Settings] and push **<ENTER>**.

3. Highlight [Voice Announcements] and push **<ENTER>**.

4. Highlight [Twice] or [Three Times] and push **<ENTER>**. The indicator for the selected number of repetitions illuminates.

5. Push **<MAP>** to return to the current location map screen.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

- To turn on voice guidance: "Guidance Voice" (Alternate command mode)

- To repeat voice guidance once: "Guidance Voice Repeat" (Alternate command mode)

Set average speeds

You can calculate the required time to the destination based on the set vehicle speeds.

1. Push **<ROUTE>**.

2. Highlight [Guidance Settings] and push **<ENTER>**.

3. Highlight [Set Average Speeds] and push **<ENTER>**.

4. Highlight the preferred item and push **<ENTER>**.

5. Use the center dial to make an adjustment. The speed can be increased/decreased by 5 MPH (5 km/h).

6. After finishing the setting, push **<ENTER>** or **<BACK>** to activate the setting.

7. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

Available items

- Auto:
  If set to ON, the system automatically calculates the required time to the destination, the indicator illuminates and the speed settings cannot be changed.

- Freeway:
  Allows you to adjust the average vehicle speed on a freeway by moving the center dial in the direction of [+] or [−].

- Main Road:
  Allows you to adjust the average vehicle speed on a main road by moving the center dial in the direction of [+] or [−].

- Town Road:
  Allows you to adjust the average vehicle speed on a town road by moving the center dial in the direction of [+] or [−].

- Residential:
  Allows you to adjust the average vehicle speed in a residential area by moving the center dial in the direction of [+] or [−].

- Reset:
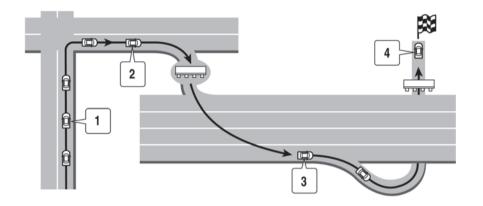 Sets the average vehicle speeds to the default values.

ABOUT ROUTE GUIDANCE

After setting the route, select [Start] to begin route guidance.

Throughout route guidance, the system navigates you through the guide points using visual and voice guidance.

> ⚠ **CAUTION**
>
> - **The navigation system's visual and voice guidance is for reference purposes only. The contents of the guidance may be inappropriate depending on the situation.**
> - **When driving along the suggested route, follow all traffic regulations (e.g., one-way traffic).** ☞ **"ABOUT ROUTE GUIDANCE" page 10-8**

VOICE GUIDANCE DURING ROUTE GUIDANCE

When approaching a guide point (intersection or corner), destination, etc. during route guidance, voice guidance announces the remaining distance and/or turning direction. Push **<VOICE>** to repeat voice guidance.

Example of voice guidance

1 "In about one quarter mile (400 meters), right (left) turn."
"Right (left) turn ahead."

2 "In about one quarter mile (400 meters) freeway entrance on your right onto (road number and direction)."
"Freeway entrance on your right onto (road number and direction)."

3 "In about one mile (1.6 kilometers), exit on your right."
"Take the second exit on your right."

4 "You have arrived at your destination. Ending route guidance."

GUIDANCE SCREENS AND PRE-VIEW MODE

Route guidance displays map screens and various information according to the situation.

When route guidance starts, the Small Turn Arrow on Map is displayed in the upper left corner of the map screen. This arrow indicates the turning direction at the next guide point (corner or intersection). The distance is also displayed. At the top of the screen, the distance to the next guide point and the name of the next street to turn on to are displayed. Also, there may be cases that next street names are announced. The Small Turn Arrow on Map can be enabled or disabled by the user.

Enlarged intersection view

When approaching a guide point, the system automatically changes to the split screen and shows an enlarged view of the intersection in the left screen. After passing through the intersection, the system automatically returns to the full screen mode. To switch to the full screen mode while the enlarged intersection view is displayed, push **<MAP>**. Pushing **<MAP>** again displays the enlarged intersection view.

Junction guidance

While driving on a freeway, when the vehicle is approximately 1 mile (approximately 2 km) from a junction, the system automatically switches to the split screen and displays an enlarged view of the junction (3D) in the left screen. After passing the junction, the system automatically returns to the full screen mode. To switch to the full screen mode while the enlarged junction view is displayed, push **<MAP>**.

Turn list

Depending on the setting, the system can constantly display the split screen and show the turn list in the left screen. When approaching a guide point, the left screen automatically switches to an enlarged view of the intersection. To switch to the full screen mode, push **<MAP>**. Pushing **<MAP>** again displays the turn list. When approaching a guide point, the enlarged view of the intersection is automatically displayed. To display the turn list, push **<MAP>**. To display the map screen, push **<MAP>** again.

☞ "ROUTE GUIDANCE SETTINGS" page 2-72

STORING A LOCATION/ROUTE

STORING A LOCATION

Locations that you often visit can be stored in the Address Book. The stored locations can be easily retrieved to set them as a destination or waypoint.

ℹ️ **INFO:**

● The Address Book can store up to 200 locations.

● New information placed in the same storage position will overwrite the old data.

Storing a location by searching

After you have searched for a location as previously described, you can store the location for future use.

1. Push **<SETTING>**.

2. Highlight [Navigation] and push **<ENTER>**.

3. Highlight [Address Book] and push **<ENTER>**.

4. Highlight [Stored Location] and push **<ENTER>**.

5. Highlight [Home Location (Add New)] or [None (Add New)] and push **<ENTER>**.

6. Highlight the appropriate method to search for a location and push **<ENTER>**.
   ☞ "2. DESTINATION SCREEN"

7. When your preferred location is displayed at the center of the map, confirm the location and push **<ENTER>**.
   A message is displayed, and the location is stored in the Address Book.

ℹ **INFO:**

● When you store the location from the Address Book, you cannot use [Address Book] to search for the location.

● You can adjust a location by selecting [Move Location] using the same method as the one for a destination.
   ☞ "Adjusting the location of the destination" page 2-51

8. Adjust the location of the stored item and edit the contents of the stored item as necessary. After finishing the setting, highlight [OK] and push **<ENTER>**.

Storing the current vehicle location

1. Push **<MAP>** to display the current location map screen.

2. Push **<ENTER>** at the current vehicle location.

3. Highlight [Store Location] and push **<EN-TER>**. A message is displayed, and the current vehicle location is stored in the Address Book.

4. Push **<MAP>** or **<BACK>** to return to the current location map screen. The icon representing the stored location is displayed on the map.

ℹ️ **INFO:**

The location is stored in the first available position number in the Address Book list.

Setting by voice command

1. Push **<TALK>** located on the steering switch.

2. After the tone sounds, speak a command.

   To store a current location:
   "Store Location" (Alternate command mode)

Storing a location by moving the map

1. Move to the preferred location on the map and push **<ENTER>**.

---

2. Highlight [Store Location] and push **<EN-TER>**. A message is displayed, and the location is stored in the Address Book.

3. Push **<MAP>** to return to the current location map screen. The icon representing the stored location is displayed on the map.

ℹ️ **INFO:**

The location is stored in the first available position number in the Address Book list.

STORING A ROUTE

A calculated route can be stored. A maximum of 5 routes can be stored. Stored routes can be easily retrieved and set as the suggested route.

INFO:

Stored route includes only locations (destination and waypoints) and route calculation conditions, not the route itself.

1. Push **<ROUTE>**.

2. Highlight [Route Information] and push **<ENTER>**.

3. Highlight [Store Route] and push **<EN-TER>**.

4. A confirmation message is displayed. Confirm the contents of the message, highlight [Yes] and push **<ENTER>**.
   The current route is stored.

INFO:

● You can also store a route using the following procedure.

1) Push **<SETTING>**.

2) Highlight [Navigation] and push **<EN-TER>**.

3) Highlight [Address Book] and push **<ENTER>**.

4) Highlight [Stored Routes] and push **<ENTER>**.

5) Highlight [None (Add New)] and push **<ENTER>**.

6) A confirmation message is displayed. Confirm the contents of the message, highlight [Yes] and push **<ENTER>**. The current route is stored.

- The route is stored in the first available position number in the store current route list.

- A maximum of 5 routes can be stored. When 5 routes are stored in the Address Book, a new route cannot be stored until a route is deleted.
  ☞ "DELETING A STORED ITEM" page 2-100

- If you have not set any waypoints on the route, the route cannot be stored.

STORING A TRACKED ROUTE

You can store the route you have traveled up to the current location. A maximum of 5 tracked routes can be stored.

1. Push **<MAP>** to display the current location map screen.

2. Push **<ENTER>** at the current vehicle location.

3. Highlight [Store Tracking] and push **<EN-TER>**.

4. A confirmation message is displayed. Confirm the contents of the message, highlight [Yes] and push **<ENTER>**. The tracked route you have traveled is stored.

5. Push **<MAP>** or **<BACK>** to return to the current location map screen.

INFO:

- A maximum of 5 tracked routes can be stored. When 5 tracked routes are stored in the Address Book, a new tracked route cannot be stored until a tracked route is deleted.
  ☞ "DELETING A STORED ITEM" page 2-100

- The tracked route is stored in the first available position number in the store tracking list.

- You can also store a tracked route using the following procedure.

1) Push **<SETTING>**.
2) Highlight [Navigation] and push **<EN-TER>**.
3) Highlight [Address Book] and push **<ENTER>**.
4) Highlight [Stored Tracking] and push **<ENTER>**.
5) Highlight [None (Add New)] and push **<ENTER>**.

- You can store the tracked route on the setting screen only when [Current Tracking] is set to on.

STORING AN AVOID AREA

An Avoid Area can be stored. The Avoid Area is an area that you want to exclude from a route, such as a road that is always congested. Once you store Avoid Areas, the system avoids those areas when calculating a route. Up to 10 Avoid Areas can be stored.

1. Push **<SETTING>**.

2. Highlight [Navigation] and push **<ENTER>**.

3. Highlight [Avoid Area Settings] and push **<ENTER>**.

INFO:

You can also access and store an Avoid Area from the Address Book.

4. Highlight [None (Add New)] and push **<ENTER>**.

5. Highlight the appropriate method to search for a location and push **<ENTER>**.
   ☞ "2. DESTINATION SCREEN"

6. Set the following items for the searched location.

Available items

● Rename:
   Changes the name.
   ☞ "Rename" page 2-98

● Move Location:
   Adjusts the location of the Avoid Area.
   ☞ "Move Location" page 2-99

● Resize Area:
   Adjusts the range of the Avoid Area.
   ☞ "Resize Area" page 2-99

● FWY:
   Avoids freeways.
   ☞ "FWY" page 2-99

● Delete:
   Deletes the avoid area.
   ☞ "Delete" page 2-100

7. After finishing the setting, highlight [OK] and push **<ENTER>**.

ℹ️ **INFO:**

You can also store an avoid area using the following procedure.

1) Push **<SETTING>**.

2) Highlight [Navigation] and push **<ENTER>**.

3) Highlight [Address Book] and push **<ENTER>**.

4) Highlight [Avoid Area] and push **<ENTER>**.

5) Highlight [None (Add New)] and push **<ENTER>**.

EDITING THE ADDRESS BOOK

Items stored in the Address Book can be modified. You can edit these settings to make the navigation system more useful.

1. Push **<SETTING>**.

2. Highlight [Navigation] and push **<ENTER>**.

3. Highlight [Address Book] and push **<EN-TER>**.

4. Highlight the preferred item and push **<ENTER>**.

Available items

● Stored Location:
Edits the information of a stored home and location.
☞ "Editing the stored home and location" page 2-87

● Stored Routes:
Edits the information of a stored route.
☞ "Editing the stored route" page 2-95

● Stored Tracking:
Edits the information of a stored tracked route.
☞ "Editing the stored tracking" page 2-96

● Avoid Area:
Edits the information of a stored Avoid Area.
☞ "Editing the avoid area" page 2-98

● Delete Stored Items:
Deletes a stored location or route.
☞ "Deleting all stored items" page 2-102

Editing the stored home and location

1. Highlight [Stored Location] and push **<EN-TER>**.

2. Highlight the preferred stored home location or stored location and push **<ENTER>**.

INFO:

Selecting [Sort List] displays a list of various sort functions.
To use the sort functions, stored locations must be set in advance.
☞ "Minor adjustment of the home or stored locations" page 2-88

3. Highlight the preferred item and push **<ENTER>**.

Available items

- Edit:
  Edits the stored location information.

- Move Location:
  Adjusts the location of the stored location.

- Delete:
  Deletes the stored location.

- OK:
  Applies the settings.

Minor adjustment of the home or stored locations

When you select [Edit], you can edit the following items of the home or stored location.

- Show Icon on Map

- Name (only for stored locations)

- Icon

- Sound

- Direction

- Distance

- Phone No.

- Group (only for stored locations)

- Entry Number (only for stored locations)

Show Icon on Map:

Displays the home icon or the stored location icon on the map.

1. Highlight [Edit] and push **<ENTER>**.

2. Highlight [Show Icon on Map] and push **<ENTER>**.

3. The indicator illuminates when the item is set. Then the system displays the icon on the map.

Name (only for stored locations):

Changes the name of a stored location.

1. Highlight [Edit] and push **<ENTER>**.

2. Highlight [Name] and push **<ENTER>**.
    A character input screen is displayed.

3. Enter the preferred name for the stored location.
    ☞ "Character (letter and number) input screen" page 1-16

4. Highlight [OK] and push **<ENTER>**.
    The name is stored.

Icon:

Changes the icon of the home or stored location to the preferred one. By changing the icons, you can utilize the [By Icon] option of the sort function more effectively.

1. Highlight [Edit] and push **<ENTER>**.

2. Highlight [Icon] and push **<ENTER>**.
    A list of icons is displayed.

3. Highlight the preferred icon by scrolling the list using the center dial. Then push **<EN-TER>**.

Icon List:

Sound:

Sets the tone of the arrival alarm that sounds when the vehicle approaches the home or a stored location.

1. Highlight [Edit] and push **<ENTER>**.

2. Highlight [Sound] and push **<ENTER>**. A sound list is displayed.

3. Highlight the preferred alarm tone by scrolling the list using the center dial. Then push **<ENTER>**. The indicator of the selected alarm tone illuminates.

Sound list:
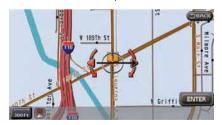
None
Chime
Melody
Sound
Dog
Cat
Wave
Church bell
Music box 1
Music box 2
Marimba
Trumpet
Horn
Scratch

Direction:

Sets the alarm to sound when approaching from a specific direction.

1. Highlight [Edit] and push **<ENTER>**.

2. Highlight [Direction] and push **<ENTER>**. The home or stored location is displayed at the center of the map.

3. Set the direction that sounds the alarm using the center dial. Then push **<ENTER>**. The selected direction is set.

ℹ️ **INFO:**

● While setting the direction, you can change the map scale.

● After the direction is set, if you highlight [Direction] and push **<ENTER>** once again, a confirmation message is displayed. Confirm the contents of the message, highlight [Yes] and push **<ENTER>**. The set direction is cancelled.

Distance:

Sets the alarm to sound when reaching a specific distance to the home or stored location.
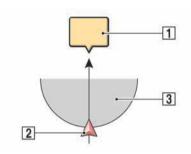
1. Highlight [Edit] and push **<ENTER>**.

2. Highlight [Distance] and push **<ENTER>**.

---

3. Highlight the preferred distance option and push **<ENTER>**. The indicator of the selected distance illuminates.

Available distance options

● 150 feet (50 m)

● 300 feet (100 m)

● 1000 feet (300 m)

● 1500 feet (500 m)

INFO:

Once you set the direction and distance to sound an alarm, the system will sound the alarm when the vehicle icon passes a half circle outline on the map, as shown in the figure.
Example: Set to 300 feet (100 m) distance, upward direction

1 Stored location icon

2 Vehicle icon

3 Setting range

Phone No.:

Stores the telephone number of the home or a stored location.

1. Highlight [Edit] and push **<ENTER>**.

2. Highlight [Phone No.] and push **<ENTER>**. The telephone number entry screen is displayed.

3. Enter the telephone number of the home or stored location.
   "Phone number input screen" page 1-17

4. Highlight [OK] and push **<ENTER>**. The telephone number is stored.

INFO:

If the phone number of your home or a location is stored, the phone number can be used to search for the destination even if it is not included in the map data.

Group (only for stored locations):

This allows you to group the stored locations. By grouping the stored locations, you can utilize the [By Group] option of the sort function more effectively.

1. Highlight [Edit] and push **<ENTER>**.

2. Highlight [Group] and push **<ENTER>**.

3. Highlight the preferred group and push **<ENTER>**. When the indicator of the selected group illuminates, the stored location is classified into the applicable group.

Entry Number (only for stored locations):

Swaps the position numbers of any two stored locations in the list.

1. Highlight [Edit] and push **<ENTER>**.

2. Highlight [Entry Number] and push **<ENTER>**. A list of stored locations is displayed.

3. Highlight the stored locations you want to swap and push **<ENTER>**. The position numbers of the selected stored locations are swapped.

Editing the stored route

1. Highlight [Stored Routes] and push **<ENTER>**.

2. Highlight the preferred stored route and push **<ENTER>**.

3. Use the touch panel to select the Edit screen. The setting items are highlighted.

4. Highlight the preferred item and push **<ENTER>**.

5. After finishing the setting, highlight [OK] and push **<ENTER>**.

INFO:

If you select [None (Add New)], the system stores the current route.

Available setting items

- Rename:
  Changes the name.
  ☞ "Character (letter and number) input screen" page 1-16

- Replace:
  Overwrites the stored route to the current route.

- Delete:
  Deletes the stored route.

- OK:
  Applies the settings.

Editing the stored tracking

1. Highlight [Stored Tracking] and push **<EN-TER>**.

2. Highlight the preferred stored tracked route and push **<ENTER>**. When the [Show] indicator is not illuminated, push **<ENTER>**. The indicator illuminates, and the Edit screen is displayed.

   If you push **<ENTER>** when the [Show] indicator is illuminated, the indicator is turned off.

3. Highlight the preferred item and push **<ENTER>**.

Available setting items (Current tracking)

- Map Scroll:
  Displays the tracked route up to the current location.

- OK:
  Applies the settings.

Available setting items (Stored tracked routes)

- Map Scroll:
  Displays a stored tracked route on the map.

- Rename:
  Changes the name.
  ☞"Character (letter and number) input screen" page 1-16

- Replace:
  Overwrites the stored tracked route to the current tracked route.

- Delete:
  Deletes the stored tracked route.

- OK:
  Applies the settings.

Displaying a tracked route:

The stored tracked route can be displayed on the map as necessary.

1. Highlight [Stored Tracking] and push **<EN-TER>**.

2. Highlight the tracked route that you desire to display on the map screen, and push **<ENTER>**. The [Show] indicator illuminates, and the Edit screen is displayed.

3. After you confirm the location to display the tracked route, highlight [OK] and push **<ENTER>**. The screen returns to the previous screen.

4. Push **<MAP>** to return to the current location map screen.

INFO:

- Current tracking is displayed up to 62 miles (100 km).

- Stored tracking is displayed up to 12 miles (20 km).

Editing the avoid area

1. Highlight [Avoid Area] and push **<ENTER>**.

2. Highlight the preferred Avoid Area and push **<ENTER>**.

3. Highlight the preferred items and push **<ENTER>**.

Available items

- Rename:
  Changes the name.

- Move Location:
  Adjusts the location of the Avoid Area.

- Resize Area:
  Adjusts the range of the Avoid Area.

- FWY:
  Avoids freeways.

- Delete:
  Deletes the Avoid Area.

- OK:
  Applies the setting.

4. After finishing the setting, highlight [OK] and push **<ENTER>**.

ℹ️ **INFO:**

If you select [None (Add New)], you can add an Avoid Area.
📖 "STORING AN AVOID AREA" page 2-85

Rename:

Changes the name of the an Avoid Area.

1. Highlight [Rename] and push **<ENTER>**. A character input screen is displayed.

2. Enter the preferred name for the avoid area.

3. Highlight [OK] and push **<ENTER>**. The name is stored.

Move Location:

Adjusts the location of the Avoid Area.

1. Highlight [Move Location] and push **<EN-TER>**.

2. Using the center dial, adjust the location of the Avoid Area.

3. After adjusting the location, push **<EN-TER>**.

Resize Area:

Adjusts the range of the Avoid Area.

1. Highlight [Resize] and push **<ENTER>**.

2. Select the range from 5 available levels.

3. After selecting the range, push **<ENTER>**.

FWY:

Sets the route to avoid freeways.

1. Highlight [FWY].

   If you want to include freeways in the Avoid Area, push **<ENTER>** to illuminate this indicator.

2. The Avoid Area is displayed in green if it includes a freeway or in blue if it does not include freeways.

ℹ️ INFO:

If you set an Avoid Area at the current vehicle location, the system will not provide route guidance.

Delete:

Deletes the Avoid Area.

1. Highlight [Delete] and push **<ENTER>**.

2. A confirmation message is displayed. Confirm the contents of the message, highlight [Yes] and push **<ENTER>**. The stored item is deleted from the Address Book.

DELETING A STORED ITEM

You can delete locations and routes stored in the Address Book. Two deletion methods are available, deleting an individual item and deleting all stored items.

<div style="background:blue;color:white;text-align:center;">

NOTICE

</div>

Deleted items cannot be restored. Before deleting an item, always make sure that the item is truly not necessary.

Deleting a stored item individually

1. Push **<SETTING>**.

2. Highlight [Navigation] and push **<ENTER>**.

3. Highlight [Address Book] and push **<EN-TER>**.

Example: [Stored Location] is selected.

4. Highlight the preferred item for deletion and push **<ENTER>**.

5. Highlight the preferred location/route for deletion and push **<ENTER>**.

6. Highlight [Delete] and push **<ENTER>**.

7. A confirmation message is displayed. Confirm the contents of the message, highlight [Yes] and push **<ENTER>**. The stored item is deleted from the Address Book.

Deleting an individual item on the map

1. Align the cross pointer over the preferred stored location for deletion by moving on the map. Then push **<ENTER>**.

2. Highlight [Delete] and push **<ENTER>**.

3. A confirmation message is displayed. Confirm the contents of the message, highlight [Yes] and push **<ENTER>**.
   The stored item is deleted from the Address Book.

Deleting all stored items

1. Push **<SETTING>**.

2. Highlight [Navigation] and push **<ENTER>**.

3. Highlight [Address Book] and push **<ENTER>**.

4. Highlight [Delete Stored Items] and push **<ENTER>**.

5. Highlight the preferred item for deletion and push **<ENTER>**.

Available items

- Delete Home Location:
  Deletes the home location.

- Delete Stored Locations:
  Deletes all stored locations.

- Delete Stored Routes:
  Deletes all stored routes.

- Delete Current Tracking:
  Deletes the current tracked route.

- Delete Stored Tracking:
  Deletes all stored tracked routes.

- Delete Avoid Areas:
  Deletes all stored Avoid Areas.

- Delete Previous Destinations:
  Deletes all or one of the previous destinations.

- Delete Previous Starting Point:
  Deletes all previous starting points.

- Delete System Learned Route:
  Deletes all system learned routes.

6. A confirmation message is displayed. Confirm the contents of the message, highlight [Yes] and push **<ENTER>**. The stored items are deleted from the Address Book.

OTHER NAVIGATION SETTINGS

NAVIGATION SCREEN

By setting the navigation in detail, you can set the navigation to your preference.

1. Push **<SETTING>**.

2. Highlight [Navigation] and push **<ENTER>**.

3. Highlight the preferred setting item and push **<ENTER>**.

Available items

● Landmark Icons:
Sets the landmark icons that you desire to display on the map.
☞ "Displaying landmark icons" page 2-21

● Map Setting:
Sets the display method and the direction of the map.
☞ "OTHER SETTINGS FOR THE MAP SCREEN" page 2-12

● Guidance Settings:
Sets the various functions for the route guidance.
☞ "ROUTE GUIDANCE SETTINGS" page 2-72

● Traffic Info. Settings:
Sets the various functions of the XM® NavTraffic™ information system.
☞ "Traffic Information Settings" page 2-68

● Address Book:
Allows you to store locations and routes, and edit the stored items.
☞ "EDITING THE ADDRESS BOOK" page 2-87

● Avoid Area Settings:
Allows you to store and edit the Avoid Area.
☞ "STORING AN AVOID AREA" page 2-85

● Tracking Display Settings:
Stores the tracked routes that you have traveled, and lets you display them when needed. Also, it allows you to edit the stored tracked routes.
☞ "STORING A TRACKED ROUTE" page 2-84

● Nearby Places Custom Settings:
Allows you to set the genre of frequently visited landmarks.
☞ "Customizing nearby places" page 2-105

● Map Scrolling Information:
Performs the setting so that when the map is scrolled, the information of the location aligned at the center of the cross pointer is displayed.
☞ "Map scrolling information" page 2-22

● Map Color Settings:
Switches the map color.
☞ "Map color settings" page 2-106

● Audio Display on Map:
Allows the AV information to be displayed at all times.
☞ "Displaying the AV information on the map screen" page 2-107

● Keyboard Input:
Switches the keyboard layout for the character input screen.
☞ "Settings the keyboard layout of the character input screen" page 2-107

- Small Step Zoom by Dial:
  Sets the ON/OFF of the free zoom function. When this setting is ON, it is possible to adjust the scale in smaller steps than with normal scale adjustment.

- Auto North Up Zoom:
  When this setting is ON, the orientation of the map is automatically changed to North Up when the widest map scale is selected. The orientation is changed to North Up even when Heading Up is set.

- Adjust Current Location:
  Corrects the position of current location.
  ☞ "Adjusting the current vehicle location" page 2-108

- Reset ALL Navigation Settings to Default:
  Resets all of the settings to default.
  ☞ "Reset all navigation settings to default" page 2-109

Customizing nearby places

You can change the categories used for searching Points of Interest nearby.

The modified list of Points of Interest can be used for searching for a location using [Nearby Places].
☞ "SETTING A NEARBY PLACE" page 2-39

1. Highlight [Navigation] and push **<ENTER>**.

2. Highlight [Nearby Places Custom Settings] and push **<ENTER>**.

3. Highlight the preferred item and push **<ENTER>**. The main category list is displayed.

4. Highlight a main category and push **<ENTER>**. The sub category list is displayed.

Settings > Nearby Places Custom Settings

5. Highlight a sub category and push **<EN-TER>**. The category setting is modified.

6. Push **<MAP>** to return to the current location map screen.

Map color settings

This allows you to change the map color.

Settings > Navigation

1. Highlight [Navigation] and push **<ENTER>**.

2. Highlight [Map Color Settings] and push **<ENTER>**.

Settings > Map Color Settings

3. Highlight the preferred map color and push **<ENTER>**. The indicator light of the selected color illuminates.

Available items

Warm: Sets warm colors for the map coloring.

Cool: Sets cool colors for the map coloring.

i **INFO:**

You can confirm the effect of your setting on the preview displayed on the right side of the screen.

Displaying the AV information on the map screen

The operating status of AV functions such as radio, CD, DVD and data stored in the hard disk and CF card can be displayed on the map screen.

1. Highlight [Navigation] and push **<ENTER>**.

2. Highlight [Audio Display on Map] and push **<ENTER>**. The indicator illuminates when the item is set.

3. Push **<MAP>** to return to the current location map screen.

4. On the bottom of the map screen, the operating status of an audio/visual function is displayed at all times.

Settings the keyboard layout of the character input screen

Depending on the user's preference for the keyboard layout of character input screen, the ABC layout or QWERTY layout can be selected.

Example: Switching to the QWERTY layout

1. Highlight [Navigation] and push **<ENTER>**.

2. Highlight [Keyboard Input] and push **<EN-TER>**.

3. Turn the center dial to switch the display from "ABC" to "QWERTY".

4. Push **<MAP>** to return to the current location map screen.

Available setting items

ABC layout

QWERTY layout

Adjusting the current vehicle location

If the vehicle icon indicating the current vehicle location is not located in the correct position, you can correct the position of the vehicle icon on the map screen.

ℹ️ **INFO:**

● Regardless of the map view setting, the map is displayed in Plan View when adjusting the position of the vehicle icon.

● When you correct the position of the vehicle icon, the map is automatically displayed in the North Up mode. After finishing the correction, the map restores the current orientation setting.

● The position and direction of the vehicle icon may be misaligned depending on the external conditions and environment.

● If the vehicle icon is misaligned, drive for a while in a location where the GPS signals can be received. This may correct the position of the vehicle icon.

1. Highlight [Navigation] and push **<ENTER>**.

2. Highlight [Adjust Current Location] and push **<ENTER>**. The current location map screen is displayed.

3. Adjust the position of the vehicle icon. After adjusting the position of the vehicle icon, push **<ENTER>**.

4. Adjust the direction of the vehicle icon. After adjusting the direction of the vehicle icon, push **<ENTER>**.

5. A message is displayed, and the adjusted vehicle location is stored.

Reset all navigation settings to default

This allows you to restore various settings (display, volume level, etc.) to the default settings.

INFO:

The memory contents, such as the stored locations, will not be deleted.

1. Highlight [Navigation] and push **<ENTER>**.

2. Highlight [Reset ALL navigation settings to default] and push **<ENTER>**.

Settings > Navigation ⬅BACK

Return ALL settings to default ?

Yes | No

16/16

ⓘ Only affects navigation settings

3. A confirmation message is displayed. Confirm the contents of the message, highlight [Yes] and push **<ENTER>**.

3 Audio system

AUDIO OPERATION PRECAUTIONS

RADIO

Push the ignition switch to the ACC or ON position and push **<AM·FM>** or **<SAT>** to turn on the radio. If you listen to the radio with the engine not running, the ignition switch should be pushed to the ACC position.

Radio reception is affected by station signal strength, distance from radio transmitter, buildings, bridges, mountains and other external influences. Intermittent changes in reception quality normally are caused by these external influences.

Using a cellular phone in or near the vehicle may influence radio reception quality.
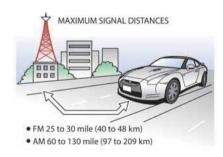
Radio reception

Your NISSAN radio system is equipped with state-of-the-art electronic circuits to enhance radio reception. These circuits are designed to extend reception range, and to enhance the quality of that reception.

However there are some general characteristics of both FM and AM radio signals that can affect radio reception quality in a moving vehicle, even when the finest equipment is used. These characteristics are completely normal in a given reception area, and do not indicate any malfunction in your NISSAN radio system.

Reception conditions will constantly change because of vehicle movement. Buildings, terrain, signal distance and interference from other vehicles can work against ideal reception. Described below are some of the factors that can affect your radio reception.

Some cellular phones or other devices may cause interference or a buzzing noise to come from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.

MAXIMUM SIGNAL DISTANCES

● FM 25 to 30 mile (40 to 48 km)
● AM 60 to 130 mile (97 to 209 km)

FM radio reception

Range: FM range is normally limited to 25 to 30 miles (40 to 48 km), with monaural (single channel) FM having slightly more range than stereo FM. External influences may sometimes interfere with FM station reception even if the FM station is within 25 miles (40 km). The strength of the FM signal is directly related to the distance between the transmitter and receiver. FM signals follow a line-of-sight path, exhibiting many of the same characteristics as light. For example they will reflect off objects.

Fade and drift: As your vehicle moves away from a station transmitter, the signals will tend to fade and/or drift.

Static and flutter: During signal interference from buildings, large hills or due to antenna position, usually in conjunction with increased distance from the station transmitter, static or flutter can be heard. This can be reduced by lowering the treble setting to reduce the treble response.

Multipath reception: Because of the reflective characteristics of FM signals, direct and reflected signals reach the receiver at the same time. The signals may cancel each other, resulting in momentary flutter or loss of sound.

AM radio reception

AM signals, because of their low frequency, can bend around objects and skip along the ground. In addition, the signals can be bounced off the ionosphere and bent back to earth. Because of these characteristics. AM signals are also subject to interference as they travel from transmitter to receiver.

Fading: Occurs while the vehicle is passing through freeway underpasses or in areas with

many tall buildings. It can also occur for several seconds during ionospheric turbulence even in areas where no obstacles exist.

Static: Caused by thunderstorms, electrical power lines, electric signs and even traffic lights.

Satellite radio reception

When the satellite radio is first installed or the battery has been replaced, the satellite radio may not work properly. This is not a malfunction. Wait more than 10 minutes with satellite radio ON for satellite radio to receive all of the necessary data.

The satellite radio mode requires an active XM® satellite radio service subscription. Satellite radio is not available in Alaska, Hawaii and Guam.

Satellite radio performance may be affected if cargo carried on the roof blocks the satellite radio signal.
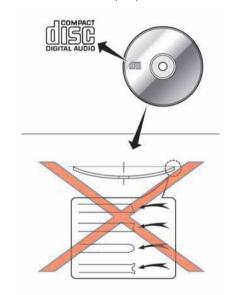
If possible, do not put cargo near the satellite antenna.

A build up of ice on the satellite radio antenna can affect satellite radio performance. Remove the ice to restore satellite radio reception.

XM trademark:

XM® is a registered trademark of XM® Satellite Radio, Inc.

COMPACT DISC (CD) PLAYER

- **Do not force a compact disc into the CD insert slot. This could damage the CD and/or CD changer/player.**

- **Trying to load a CD with the CD door closed could damage the CD and/or CD changer.**

- **During cold weather or rainy days, the player may malfunction due to the humidity. If this occurs, remove the CD and dehumidify or ventilate the player completely.**

- **The player may skip while driving on rough roads.**

- **The CD player sometimes cannot function when the passenger compartment temperature is extremely high. Decrease the temperature before use.**

- **Only use high quality 4.7 in (12 cm) round discs that have the "COMPACT disc DIGITAL AUDIO" logo on the disc or packaging.**

- **Do not expose the CD to direct sunlight.**

- **CDs that are of poor quality, dirty, scratched, covered with fingerprints, or that have pin holes may not work properly.**

- **The following CDs may not work properly:**

  — **Copy control compact discs (CCCD)**

  — **Recordable compact discs (CD-R)**

  — **Rewritable compact discs (CD-RW)**

- Do not use the following CDs as they may cause the CD player to malfunction.

  — 3.1 in (8 cm) discs
  — CDs that are not round
  — CDs with a paper label
  — CDs that are warped, scratched, or have unusual edges

- This audio system can only play prerecorded CDs. It has no capabilities to record or burn CDs.

- If the CD cannot be played, one of the following messages will be displayed.

  CHECK DISC:

  — Confirm that the CD is inserted correctly (the label side is facing up, etc.).
  — Confirm that the CD is not bent or warped and it is free of scratches.

  PUSH EJECT:

  This is an error due to the temperature inside the player is too high. Remove the CD by pushing the EJECT button, and after a short time reinsert the CD. The CD can be played when the temperature of the player returns to normal.

UNPLAYABLE:

The file is unplayable in this audio system (only MP3 or WMA CD).

COMPACTFLASH (CF) PLAYER

- Do not force a CF card into the slot. This could damage the CF card and/or player.

- During cold weather or rainy days, the player may malfunction due to the humidity. If this occurs, remove the CF card and dehumidify or ventilate the player completely.

- The CF player sometimes cannot function when the passenger compartment temperature is extremely high. Decrease the temperature before use.

- Do not expose a CF card to direct sunlight.

- Confirm that a CF card is inserted correctly.

iPod® PLAYER (if so equipped)

- Some characters used in other languages (Chinese, Japanese, etc.) are not displayed properly on the vehicle center screen. We recommend using English language characters with an iPod®.

- Large video podcast files cause slow responses in the iPod®. The vehicle center display may momentarily black out, but it will soon recover.

- If the iPod® automatically selects large video podcast files while in the shuffle mode, the vehicle center display may momentarily black out, but it will soon recover.

- Improperly plugging in the iPod® may cause a checkmark to be displayed on and off (flickering). Always make sure that the iPod® is connected properly.

- The iPod® nano (2nd Generation) will continue to fast forward or rewind if it is disconnected during a seek operation.

- An incorrect song title may appear when the Play Mode is changed while using the iPod® nano (2nd Generation).

- Audiobooks may not play in the same order as they appear on the iPod®.

- The iPod® nano (1st Generation) may remain in fast forward or rewind mode if it is connected during a seek operation. In this case, please manually reset the iPod®.

- If you are using an iPod® (3rd Generation with Dock connector), do not use very long names for the song title, album name or artist name to avoid the iPod® from resetting itself.

- Be careful not to do the following, or the cable could be damaged and a loss of function may occur.
  - Bend the cable excessively (1.6 in (40 mm) radius minimum).
  - Twist the cable excessively (more than 180 degrees).
  - Pull or drop the cable.
  - Close the center console lid on the cable or connectors.
  - Store objects with sharp edges in the storage where the cable is stored.
  - Spill liquids on the cable and connectors.

- Do not connect the cable to the iPod® if the cable and/or connectors are wet. It may damage the iPod®.

- If the cable and connectors are exposed to water, allow the cable and/or connectors to dry completely before connecting the cable to the iPod® (wait 24 hours for it to dry).

- If the connector is exposed to fluids other than water, evaporative residue may cause a short between the connector pins. In this case, replace the cable, otherwise damage to the iPod® and a loss of function may occur.

- If the cable is damaged (insulation cut, connectors cracked, contamination such as liquids, dust, dirt, etc. in the connectors), do not use the cable and contact a NISSAN dealer to replace the cable with a new one.

- When not in use for extended periods of time, store the cable in a clean, dust free environment at room temperature and without direct sun exposure.

- Do not use the cable for any other purposes other than its intended use in the vehicle.

* iPod® is a trademark of Apple Inc., registered in the U.S. and other countries.

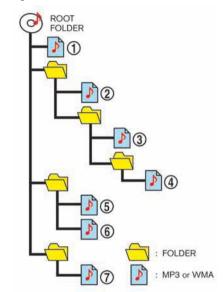## COMPACT DISC (CD)/COMPACT-FLASH (CF) WITH MP3 OR WMA

Explanation of terms

- MP3 — MP3 is short for Moving Pictures Experts Group Audio Layer 3. MP3 is the most well known compressed digital audio file format. This format allows for near "CD quality" sound, but at a fraction of the size of normal audio files. MP3 conversion of an audio track from CD/CF can reduce the file size by approximately 10:1 ratio (Sampling: 44.1 kHz, Bit rate: 128 kbps) with virtually no perceptible loss in quality. MP3 compression removes the redundant and irrelevant parts of a sound signal that the human ear doesn't hear.

- WMA — Windows Media Audio (WMA) is a compressed audio format created by Microsoft as an alternative to MP3. The WMA codec offers greater file compression than the MP3 codec, enabling storage of more digital audio tracks in the same amount of space when compared to MP3s at the same level of quality.

- Bit rate — Bit rate denotes the number of bits per second used by a digital music files. The size and quality of a compressed digital audio file is determined by the bit rate used when encoding the file.

- Sampling frequency — Sampling frequency is the rate at which the samples of a signal are converted from analog to digital (A/D conversion) per second.

- Multisession — Multisession is one of the methods for writing data to media. Writing data once to the media is called a single session, and writing more than once is called a multisession.

- ID3/WMA Tag — The ID3/WMA tag is the part of the encoded MP3 or WMA file that contains information about the digital music file such as song title, artist, album title, encoding bit rate, track time duration, etc. ID3 tag information is displayed on the Album/Artist/Track title line on the display.

* Windows® and Windows Media® are registered trademarks or trademarks of Microsoft Corporation in the United States of America and/or other countries.

CompactFlash is a trademark of SanDisk Corporation in the United States of America and/or other countries.

Playback order

Music playback order of the CD/CF with MP3 or WMA is as illustrated above.

- The folder names of folders not containing MP3/WMA files are not shown in the display.

- If there is a file in the top level of the disc, "Root Folder" is displayed.

- The playback order is the order in which the files were written by the writing software, so the files might not play in the desired order.

Specification chart

Supported media			CD, CD-R, CD-RW, CF
Supported file systems			CD, CD-R, CD-RW: ISO9660 LEVEL1, ISO9660 LEVEL2, Romeo, Joliet * ISO9660 Level 3 (packet writing) is not supported.
			CompactFlash card: FAT12, FAT16, FAT32
Supported versions*1	MP3	Version	MPEG1, MPEG2, MPEG2.5
		Sampling frequency	8 kHz - 48 kHz
		Bit rate	8 kbps - 320 kbps, VBR*4
	WMA*2	Version	WMA7, WMA8, WMA9
		Sampling frequency	32 kHz - 48 kHz
		Bit rate	32 kbps - 192 kbps, VBR*4
Tag information (Song title and Artist name)			ID3 tag VER1.0, VER1.1, VER2.2, VER2.3, VER2.4 (MP3 only)
			WMA tag (WMA only)
Folder levels			With navigation system: Folder levels: 8, Folders: 255 (including root folder), Files: 512 (Max. 255 files for one folder) Without navigation system: Folder levels: 8, Folders and files: 999 (Max. 255 files for one folder)
Text character number limitation			With navigation system: 128 characters
			Without navigation system: 64 characters
Displayable character codes*3			01: ASCII, 02: ISO-8859-1, 03: UNICODE (UTF-16 BOM Big Endian), 04: UNICODE (UTF-16 Non-BOM Big Endian), 05: UNICODE (UTF-8), 06: UNICODE (Non-UTF-16 BOM Little Endian)
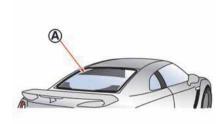
*1 Files created with a combination of 48 kHz sampling frequency and 64 kbps bit rate cannot be played.
*2 Protected WMA files (DRM) cannot be played.
*3 Available codes depend on what kind of media, versions and information are going to be displayed.
*4 When VBR files are played, the playback time may not be displayed correctly.

ABOUT ANTENNA

WINDOW ANTENNA

The antenna pattern Ⓐ is printed inside the rear window.

> ⚠ **CAUTION**
>
> - **Do not place metalized film near the rear window glass or attach any metal parts to it. This may cause poor reception or noise.**
> - **When cleaning the inside of the rear window, be careful not to scratch or damage the rear window antenna. Lightly wipe along the antenna with a dampened soft cloth.**

FM-AM-SAT RADIO WITH COMPACT DISC (CD) PLAYER

The satellite radio mode will be skipped unless an optional satellite receiver and antenna are installed and an XM® satellite radio service subscription is active. Satellite radio is not available in Alaska, Hawaii and Guam.

It may take some time to receive the activation signal after subscribing to the XM® satellite radio. After receiving the activation signal, an available channel list will be automatically updated in the radio. For XM®, push the ignition switch from LOCK to ACC to update the channel list.

☞ "AUDIO OPERATION PRECAUTIONS" page 3-2

AUDIO MAIN OPERATION

Head unit

The radio has an FM diversity reception system, which employs two antennas printed on the rear window. This system automatically switches to the antenna which is receiving less interference.

The auto loudness circuit enhances the low and high frequency ranges automatically in both radio reception and CD playback.

ON·OFF/Volume control

Push the ignition switch to the ACC or ON position, and then push the ON·OFF/VOLUME control knob while the system is off to call up the mode (radio, CD or AUX) which was playing immediately before the system was turned off. While the system is on, pushing the ON·OFF/VOLUME control knob turns the system off.

Turn the ON·OFF/VOLUME control knob to adjust the volume.

Adjusting tone quality and speaker balance

To adjust Bass, Treble, Balance and Fade, push the Audio control knob. When the display shows the setting you want to change (Bass, Treble, Balance and Fade), rotate the Audio control knob to set the desired setting.

☞ "AUDIO SETTINGS" page 7-4

Switching the display

Pushing **<DISC·AUX>** will switch the displays as follows:

CD → CompactFlash → AUX* → iPod®* → Music Box → CD

*: if so equipped

FM-AM-SAT RADIO OPERATION

[AM·FM] radio (FM/AM) band select

Pushing **<AM·FM>** will change the band as follows:

AM → FM1 → FM2 → AM

[SAT] radio (SAT) band select

Pushing **<SAT>** will change the band as follows:

SAT1 → SAT2 → SAT1

When **<AM·FM>** or **<SAT>** is pushed while the ignition switch is in the ACC or ON position, the radio will come on at the station last played.

The last station/channel played will also come on when the ON·OFF/VOL control knob is pushed to ON.

The satellite radio mode requires an active XM® satellite radio service subscription. Satellite radio is not available in Alaska, Hawaii and Guam.

If another audio source is playing when **<AM·FM>** or **<SAT>** is turned to ON, the audio source will automatically be turned off and the last radio station played will come on.

When the stereo broadcast signal is weak, the radio will automatically change from stereo to monaural reception.

TUNE (Tuning)

- For AM and FM radio

  Turn the TUNE/FOLDER knob for manual tuning.

- For XM satellite radio

  Turn the TUNE/FOLDER knob to seek channels from all of the categories when any CAT is not selected.

[◄◄ SEEK CAT] [TRACK ►►] SEEK tuning/CATEGORY (CAT)

- For AM and FM radio

  Push **<SEEK·CAT>** or **<TRACK>** to tune from low to high or high to low frequencies and to stop at the next broadcasting station.

- For XM satellite radio

  Push **<SEEK·CAT>** or **<TRACK>** to tune to the first channel of the next or previous category.

During satellite radio reception, the following notices will be displayed under certain conditions.

- NO SIGNAL (No signal is received while the SAT tuner is connected.)

- OFF AIR (Broadcasting signed off)

- ANTENNA ERROR (Antenna connection error)

- LOADING (When the initial setting is performed)

- UPDATING (When the satellite radio subscription is not active)

- INVALID CH (Invalid channel is received.)

[SCAN] SCAN tuning

Push **<SCAN>** to tune from low to high frequencies and stops at each broadcasting station for 5 seconds. Pushing the button again during this 5 seconds period will stop SCAN tuning and the radio will remain tuned to that station.

If **<SCAN>** is not pushed within 5 seconds, SCAN tuning moves to the next station.

<1> to <6> Station memory operations

Twelve stations/channels can be set for the FM band (6 for FM1, 6 for FM2) and the SAT radio (6 for SAT1, 6 for SAT2), and 6 stations can be set for the AM band.

1. Choose the radio band using the radio band select button.

2. Tune to the desired station using **<SCAN>**, **<SEEK·CAT>** or **<TRACK>**.

3. Select the desired station/channel and keep pushing any of the desired station preset buttons <1> to <6> until a beep sound is heard. (The radio mutes when the select button is pushed.)

4. The channel indicator will then come on and the sound will resume. Memorizing is now complete.

5. Other buttons can be set in the same manner.

If the battery cable is disconnected, or if the fuse blows, the radio memory will be erased. In that case, reset the desired stations.

Text

When [Text] is selected in the screen while the satellite radio is being played, the text information will be displayed on the screen.

● CH Name

● Category

● Name

● Title

● Other

COMPACT DISC (CD) PLAYER OPERATION

Push the ignition switch to the ACC or ON position and insert the compact disc into the slot with the label side facing up. The compact disc will be guided automatically into the slot and start playing.

After loading the disc, the number of tracks on the disc and the play time will appear on the display.

If the radio is already operating, it will automatically turn off and the compact disc will play.

If the system has been turned off while the compact disc was playing, pushing the ON-OFF/VOL control knob will start the compact disc.

DISC AUX **PLAY**

When **<DISC·AUX>** (CD play) is pushed with the system off and the compact disc loaded, the system will turn on and the compact disc will start to play.

When **<DISC·AUX>** is pushed with the compact disc loaded and the radio playing, the radio will automatically be turned off and the compact disc will start to play.

When **<DISC·AUX>** is pushed while a CD is loaded and a medium is played using the auxiliary input jacks, you can toggle back and forth between CD and medium.

Text

When [Text] is selected in the screen while the CD is being played, the music information below will be displayed on the screen.

CD:

● Disc title

● Track title

CD with MP3 or WMA:

● Folder title

● File title

● Song title

● Album title

● Artist

FF (Fast Forward), REW (Rewind)/APS (Automatic Program Search) FF, APS REW

When **<TRACK>** or **<SEEK CAT>** is pushed for more than 1.5 seconds while the compact disc is being played, the compact disc will play while fast forwarding or rewinding. When the button is released, the compact disc will return to normal play speed.

When **<TRACK>** or **<SEEK CAT>** is pushed for less than 1.5 seconds while the compact disc is being played, the next track or the beginning of the current track on the CD will be played.

The center dial can also be used to select tracks when a CD is being played.

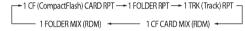**REPEAT (RPT), RANDOM (RDM)**

When **<RDM RPT>** is pushed while the compact disc is played, the play pattern can be changed as follows:

(CD)

ALL DISC RPT → 1 DISC RPT → 1 TRK(Track) RPT
1 DISC MIX (RDM) ← ALL DISC MIX ←

(CD with MP3 or WMA)

ALL DISC RPT → 1 DISC RPT → 1 FOLDER RPT → 1 TRK(Track) RPT
1 FOLDER MIX (RDM) ← 1 DISC MIX (RDM) ← ALL DISC MIX ←

CD EJECT

When the button is pushed with the compact disc loaded, the compact disc will be ejected.

When this button is pushed while the compact disc is being played, the compact disc will come out and the system will turn off.

If the compact disc comes out and is not removed, it will be pulled back into the slot to protect it.

COMPACTFLASH (CF) PLAYER OPERATION

AUDIO MAIN OPERATION

Push the ignition switch to the ACC or ON position, insert a CF card into the slot. Then, push **<DISC·AUX>** repeatedly to switch to the CompactFlash mode.

If the system has been turned off while the CompactFlash card was playing, pushing the ON·OFF/VOL control knob will start the CompactFlash card.

PLAY

When **<DISC·AUX>** is pushed with the system off and the CF card inserted, the system will turn on.

If another audio source is playing and a CF card is inserted, push **<DISC·AUX>** repeatedly until the center display changes to the CompactFlash mode.

Text

When [Text] is selected on the screen while the CF is being played, the music information below will be displayed on the screen.

- Folder title
- Song title
- Track title
- Album Title
- Artist

⊞ TRACK ▶▶| |◀◀ SEEK CAT FF (Fast Forward), REW (Rewind)/APS (Automatic Program Search) FF, APS REW

When **<TRACK>** or **<SEEK CAT>** is pushed for more than 1.5 seconds while the Compact-Flash card is being played, the CompactFlash card will play while fast forwarding or rewinding. When the button is released, the CompactFlash card will return to the normal play speed.

When **<TRACK>** or **<SEEK CAT>** is pushed for less than 1.5 seconds while the Compact-Flash card is being played, the next track or the beginning of the current track on the CF will be played.

The center dial can also be used to select tracks when the CompactFlash card is being played.

Folder selection

To change to another folder in the Compact-Flash card, turn the MP3/WMA folder selector or choose a folder displayed on the screen using the center dial.

⊞ RPT RDM REPEAT (RPT), RANDOM (RDM)

When **<RDM RPT>** is pushed while the CompactFlash card is played, the play pattern can be changed as follows:

1 CF (CompactFlash) CARD RPT → 1 FOLDER RPT → 1 TRK (Track) RPT
1 FOLDER MIX (RDM) ← 1 CF CARD MIX (RDM) ←

CF EJECT

When the knob next to the CF slot is pushed with the CF card inserted, the CF card will be ejected.

Messages

The following messages will be displayed under certain conditions.

- Reading Compact Flash (The system is reading the CF card inserted in the slot.)
- No Compact Flash card (A CF card is not inserted in the slot.)
- Compact Flash read error (The system cannot read a CF card.)
- Unplayable file (The system cannot play a music file.)
- No audio file (The CF card inserted in the slot or its folder does not contain any music files.)

Compatibility with other media

If a commercially available CompactFlash adapter is inserted into the slot, your memory media can also be used.

iPod® PLAYER OPERATION (if so equipped)

CONNECTING iPod®

Open the glove box lid and connect the cable as illustrated, and then connect the other end of the cable to your iPod®. Your vehicle is equipped with the specialized cable for connecting the iPod® to your vehicle audio unit. The battery of your iPod® is charged during the connection to the vehicle.

The display on the iPod® shows a NISSAN screen when the connection is completed. While connecting the iPod® to the vehicle, the iPod® can only be operated by the vehicle audio controls.

To disconnect the cable from the vehicle outlet, fully depress the center connector button to unlatch the connector and pull the connector straight out of the outlet. To disconnect the cable from the iPod®, fully depress the side connector buttons and pull the iPod® connector straight out of the iPod®.

* iPod® is a trademark of Apple Inc., registered in the U.S. and other countries.

COMPATIBILITY

The following models are available:

- Third generation iPod® (Firmware version 2.3 or later) (Audiobook and Podcast are not available)

- Fourth generation iPod® (Firmware version 3.1.1 or later)

- Fifth generation iPod® (Firmware version 1.1.2 or later)

- iPod® mini (Firmware version 1.41 or later)

- iPod® photo (Firmware version 1.2.1 or later)

- iPod® nano (Firmware version 1.2 or later)

Make sure that your iPod® firmware is updated.

AUDIO MAIN OPERATION

Push the ignition switch to the ACC or ON position. Then, push **<DISC·AUX>** repeatedly to switch to the iPod® mode.

If the system has been turned off while the iPod® was playing, pushing the ON·OFF/VOL control knob will start the iPod®.

DISC/AUX button

When **<DISC·AUX>** is pushed with the system off and the iPod® connected, the system will turn on. If another audio source is playing and the iPod® is connected, push **<DISC·AUX>** repeatedly until the center display changes to the iPod® mode.

Interface

The interface for iPod® operation shown on the vehicle center display is similar to the iPod® interface. Use the center dial and **<ENTER>** or **<BACK>** to play the iPod® with your favorite settings.

The following items can be chosen from the menu list screen. For further information about each item, see the iPod® Owner's Manual.

- Playlists
- Artists
- Albums
- Songs
- Podcasts
- Genres
- Composers
- Audiobooks

The following touch-panel buttons shown on the screen are also available:

- **MENU**: returns to the previous screen.
- **▶ll** : plays/pauses the music selected.

FF (Fast Forward), REW (Rewind)/ APS (Automatic Program Search) FF, APS REW

When **<TRACK>** or **<SEEK CAT>** is pushed for more than 1.5 seconds while the iPod® is playing, the iPod® will play while fast forwarding or rewinding. When the button is released, the iPod® will return to the normal play speed.
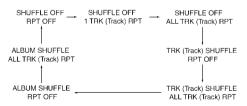
When **<TRACK>** or **<SEEK CAT>** is pushed for less than 1.5 seconds while the iPod® is playing, the next track or the beginning of the current track on the iPod® will be played.

The center dial can also be used to select tracks when the iPod® is playing.

RPT RDM REPEAT (RPT), RANDOM (RDM)

When **<RDM RPT>** is pushed while a track is being played, the play pattern can be changed as follows:

SHUFFLE OFF RPT OFF → SHUFFLE OFF 1 TRK (Track) RPT → SHUFFLE OFF ALL TRK (Track) RPT

ALBUM SHUFFLE ALL TRK (Track) RPT

TRK (Track) SHUFFLE RPT OFF

ALBUM SHUFFLE RPT OFF ← TRK (Track) SHUFFLE ALL TRK (Track) RPT

MUSIC BOX HARD DRIVE

The Music Box hard drive audio system can store songs from CDs being played. The system has a 9.3 gigabyte (GB) storage capacity and can record up to 200 hours (approximately 2,900 songs).

The following CDs can be recorded in the Music Box hard drive audio system.

- CDs without MP3/WMA files
- Hybrid Compact Disc Digital Audio (Hybrid CD-DA) specification in Super Audio CDs
- Compact Disc Digital Audio (CD-DA) specification in CD-Extras
- First session of multisession disc

Extreme temperature conditions [below −4°F (−20°C) and above 158°F (70°C)] could affect the performance of the hard disk.

NOTICE

If the hard disk needs to be replaced due to a malfunction, all stored music data will be erased.

RECORDING SONGS

1. Operate the audio system to play a CD. ☞ "AUDIO OPERATION PRECAUTIONS" page 3-2

2. Touch [REC].

The system starts recording from the first track of the CD and "REC CD" appears on the screen.

If the title information of the track being recorded is stored either in the hard-disk drive or in the

CD, the title is automatically displayed on the screen. For title acquisition from the hard-disk drive, music recognition technology and related data are provided by Gracenote®.

To view the details of the track, select [Text] by touching the screen. The track name and album title are displayed on the screen.

If a track is not recorded successfully due to skipping sounds, the ⊘ mark is displayed behind the track number.

The Music Box hard drive cannot perform recording under the following conditions.

● There is not enough space in the hard disk

● The number of albums reaches the maximum of 500.

● The number of tracks reaches the maximum of 3,000.

Automatic recording

If the "Automatic Recording" function is turned to ON, recording starts when a CD is inserted.
☞"AUDIO OPERATION PRECAUTIONS" page 3-2

Stopping recording

To stop the recording, select [STOP] by touching the screen.

If the CD is ejected, the audio system is turned off or the ignition switch is pushed to the OFF position, the recording also stops.

PLAYING RECORDED SONGS

Select the Music Box hard drive by using one of the following methods.

● Push **<SOURCE>** on the steering wheel.
☞"STEERING SWITCH" page 1-10

● Push **<DISC·AUX>** repeatedly until the center display changes to the Music Box mode.

● Give voice commands.

☞"Voice recognition" page 8-1

Stopping playback

The system stops playing when:

a. another mode (radio, CD, CompactFlash or AUX) is selected.

b. the audio system is turned off.

c. the ignition switch is pushed to the OFF position.

 FF (Fast Forward), REW (Rewind)/APS (Automatic Program Search) FF, APS REW

When **<TRACK>** or **<SEEK CAT>** is pushed for more than 1.5 seconds while a track is being played, the track will play while fast forwarding or rewinding. When the button is released, the track will return to the normal play speed.

When **<TRACK>** or **<SEEK CAT>** is pushed for less than 1.5 seconds while a track is being played, the next track or the beginning of the current track will be played.

The center dial can also be used to select tracks when a track is being played.

Play mode selection

To change to another album or artist, turn the MP3/WMA folder selector.

RPT | **REPEAT (RPT), RANDOM**
RDM | **(RDM)**

When **<RDM RPT>** is pushed while a track is being played, the play pattern can be changed as follows:

All Playlist RPT → 1 Playlist RPT → 1 TRK (Track) RPT
1 Playlist MIX (RDM) ← All Playlist MIX (RDM) ←

Menu

There are some options available during play-back. Select one of the following that are displayed on the screen, if necessary.

Refer to the following information for each item.

● **Play by Artist**

Plays songs by an artist whose music is currently being played. The artists are sorted in alphabetical order.

● **Play by Album**

Plays tracks in each album. The albums are sorted in alphabetical order.

● **Play by Date**

Plays tracks in each album. The albums are sorted in order of the date when they were stored in the system.

● **Play by Mood**

Plays music from one of the following moods: Relaxing Music, Lively Music, Slow Music and Upbeat Music.

● **Play by Category**

Plays music from one of the following categories: My Favorites, Hit Songs, Kids' Songs and Rarely Played.

● **Search Artists**

Displays a list of artists in alphabetical order. Selecting an artist displays all of the tracks by the artist and starts playing the first track.

● **Search Albums**

Displays a list of albums in order of the date when they were stored in the system. Selecting an album displays all of the tracks on the album and starts playing the first track.

Select [Sort] to re-sort albums in one of the following order: Rec. (Recorded) Date, Name, Release Year, Artist.

● **Search Song Details**

Set the conditions and select [Start Song Search] to search for a desired song that is stored in the system. The conditions are as follows:

a. Music Tempo (All, Slow, Normal and Fast)

b. Decade (All, '70s, '80s, '90s, '00s and '10s and After)

c. Group (All, Male Artist, Female Artist, Group and Duo)

d. Category (Rock, Pop, Latin, Jazz, R&B, Hip Hop, Club/Dance, Punk, Reggae, Folk, Blues, Country, Metal, Easy Listening, New Age, Soundtrack, Gospel & Religious, World, Classical, Children's and Other)

- **Search Keywords**

  Input a search keyword using the keypad displayed on the screen.

  ☞ "Character (letter and number) input screen" page 1-16

- **Edit Albums**

  Select a category (Rec. (Recorded) Date, Name, Released Year and Artist) and edit the details using the keypad displayed on the screen.

  ☞ "Character (letter and number) input screen" page 1-16

- **Music Box System Info.**

  Displays the following information about the Music Box hard drive:

  a. Music Box Used / Free Space (Information about "Saved Album", "Saved Track" and "Remaining Time" is displayed.)

  b. Mood Categories (Number of saved tracks and their categories (Relaxing Music, Lively Music, Slow Music, Upbeat Music and Others) are displayed.)

  c. Deleted Items (Information about the deleted tracks is displayed.)

  d. Search Missing Titles

If titles are not displayed for CDs that have been recorded, titles can be acquired using one of the following methods:

— Retrieve from HDD
  Searches the title using the database in the hard disk.

— Retrieve from CF
  Searches the title from the information acquired on the Internet. Visit www.nissanusa.com/gracenote/ for details.

— Transfer Missing Titles to CF
  Transfers the information of the album recorded without titles to a Compact-Flash card. Visit www.nissanusa.com/gracenote/ for details.

e. Music Box Settings
  ☞ "MUSIC BOX HARD DRIVE" page 3-14

f. CDDB Version (the version of the built-in Gracenote Database is displayed.)

Text

Refer to the following information for each item.

- **Set Mood**

  Set the mood category of the track to "Relaxing Music", "Lively Music", "Slow Music" or "Upbeat Music".

- **Delete Track**

  Delete the track being played.

- **Edit Info.**

  Edit the name of the track being played and its artist using the keypad displayed on the screen.

  ☞"Character (letter and number) input screen" page 1-16

  The category of the track can also be set to Rock, Pop, Latin, Jazz, R&B, Hip Hop, Club/Dance, Punk, Reggae, Folk, Blues, Country, Metal, Easy Listening, New Age, Soundtrack, Gospel & Religious, World, Classical, Children's and Others.

- **Remove Track**

  Reset the mood setting of a track.

RESTORING DELETED DATA

Deleted music data can be restored by performing the following.

1. Select [Menu] and then [Music Box System Info.] on the screen.

2. Select [Deleted Items] and then [Album/Track].

3. Select [Restore Album/Track] to restore the deleted music data.

You can also listen to the beginning of each track that has been deleted by performing the following.

1. Select [Menu] and then [Music Box System Info.] on the screen.

2. Select [Deleted Items] and then [Play Sample].

MUSIC BOX SETTINGS

To set the Music box hard drive to your preferred settings, select [Menu] during playback, [Music Box System Info.], and [Music Box Settings].

Automatic Recording

When this item is turned to ON, the Music Box hard drive automatically starts recording when a CD is inserted.

Recording Quality

Set the recording quality of 105 kbps or 132 kbps. The default is set to 132 kbps.

Title Text Priority

Set the priority to CDDB (Compact Disc Data Base) to acquire track information from the Gracenote Database or set to CD TEXT to acquire the information from CDs.

Delete ALL Music Box Data

Delete all music data stored on the hard disk.

GRACENOTE

<table>
<tr><td colspan="1" align="center">NOTICE</td></tr>
</table>

- The information contained in the Gracenote Database is not fully guaranteed.
- The service of the Gracenote Database on the Internet may be stopped without prior notice for maintenance.

gracenote

End-User License Agreement

USE OF THIS PRODUCT IMPLIES ACCEPTANCE OF THE TERMS BELOW.

Gracenote® MusicID® Terms of Use

This device contains software from Gracenote, Inc. of Emeryville, California ("Gracenote"). The software from Gracenote (the "Gracenote Software") enables this application to do online disc identification and obtain music-related information, including name, artist, track, and title information ("Gracenote Data") from online servers ("Gracenote Servers") and to perform other functions. You may use Gracenote Data only by means of the intended End-User functions of this device.

You agree that you will use Gracenote Data, the Gracenote Software, and Gracenote Servers for your own personal non-commercial use only. You agree not to assign, copy, transfer or transmit the Gracenote Software or any Gracenote Data to any third party. YOU AGREE NOT TO USE OR EXPLOIT GRACENOTE DATA, THE GRACENOTE SOFTWARE, OR GRACENOTE SERVERS, EXCEPT AS EXPRESSLY PERMITTED HEREIN.

You agree that your non-exclusive license to use the Gracenote Data, the Gracenote Software, and Gracenote Servers will terminate if you violate these restrictions. If your license terminates, you agree to cease any and all use of the Gracenote Data, the Gracenote Software, and Gracenote Servers. Gracenote reserves all rights in Gracenote Data, the Gracenote Software, and the Gracenote Servers, including all ownership rights. Under no circumstances will Gracenote become liable for any payment to you for any information that you provide. You agree that Gracenote, Inc. may enforce its rights under this Agreement against you directly in its own name.

The Gracenote MusicID Service uses a unique identifier to track queries for statistical purposes. The purpose of a randomly assigned numeric identifier is to allow the Gracenote MusicID service to count queries without knowing anything about who you are. For more information,

see the web page for the Gracenote Privacy Policy for the Gracenote MusicID Service.

The Gracenote Software and each item of Gracenote Data are licensed to you "AS IS." Gracenote makes no representations or warranties, express or implied, regarding the accuracy of any Gracenote Data from in the Gracenote Servers. Gracenote reserves the right to delete data from the Gracenote Servers or to change data categories for any cause that Gracenote deems sufficient. No warranty is made that the Gracenote Software or Gracenote Servers are error-free or that functioning of Gracenote Software or Gracenote Servers will be uninterrupted. Gracenote is not obligated to provide you with new enhanced or additional data types or categories that Gracenote may provide in the future and is free to discontinue its online services at any time.

GRACENOTE DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT. GRACENOTE DOES NOT WARRANT THE RESULTS THAT WILL BE OBTAINED BY YOUR USE OF THE GRACENOTE SOFTWARE OR ANY GRACENOTE SERVER. IN NO CASE WILL GRACENOTE BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OR FOR ANY LOST PROFITS OR LOST REVENUES.

Copyright

Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information visit www.gracenote.com.

CD and music-related data from Gracenote, Inc., copyright © 2000-2007 Gracenote. Gracenote Software, copyright © 2000-2007 Gracenote. This product and service may practice one or more of the following U.S. Patents: #5,987,525; #6,061,680; #6,154,773, #6,161,132, #6,230,192, #6,230,207, #6,240,459, #6,330,593, and other patents issued or pending. Some services supplied under license from Open Globe, Inc. for U.S. Patent: #6,304,523. Gracenote and CDDB are registered trademarks of Gracenote. The Gracenote logo and logotype, and the "Powered by Gracenote" logo are trademarks of Gracenote.

CD/CF (CompactFlash) CARE AND CLEANING

CD

- Handle a CD by its edges. Never touch the surface of the disc. Do not bend the disc.

- Always place the discs in the storage case when they are not being used.

- To clean a disc, wipe the surface from the center to the outer edge using a clean, soft cloth. Do not wipe the disc using a circular motion. Do not use a conventional record cleaner or alcohol intended for industrial use.

- A new disc may be rough on the inner and outer edges. Remove the rough edges by rubbing the inner and outer edges with the side of a pen or pencil as illustrated.

CF cards

- Never touch the terminal portion of the CompactFlash cards. Do not bend the cards.

- Always place the cards in the storage case when they are not being used.

- Do not place heavy objects on the cards.

- Do not store the cards in highly humid locations.

- Do not expose the cards to direct sunlight.

- Do not spill any liquids on the cards.

Refer to the CompactFlash card Owner's Manual for the details.

AUXILIARY INPUT JACKS (if so equipped)

The auxiliary input jacks are located in the center console. NTSC compatible devices such as video games, camcorders and portable video players can be connected to the auxiliary jacks. Compatible audio devices, such as some MP3 players, can also be connected to the system through the auxiliary jacks.

The auxiliary jacks are color coded for identification purposes.

- Yellow - video input

- White - left channel audio input

- Red - right channel audio input

Before connecting a device to a jack, turn off the power of the portable device.

With a compatible device connected to the jacks, push **<DISC·AUX>** repeatedly until the display switches to the AUX mode. The output from the device will be played through the monitor and audio system.

DISPLAY MODE

The AUX settings display will appear when the [Setting] is selected using the center dial and pushing **<ENTER>**.

Choose the display mode from the following:

- Normal

- Wide

- Cinema

CAR PHONE OR CB RADIO

When installing a car phone or a CB radio in your NISSAN, be sure to observe the following cautions, otherwise the new equipment may adversely affect the electronic control modules and electronic control system harness.

⚠ WARNING

- A cellular telephone should not be used while driving so full attention may be given to vehicle operation. Some jurisdictions prohibit the use of cellular telephones while driving.

- If you must make a call while your vehicle is in motion, the hands-free cellular phone operational mode (if so equipped) is highly recommended. Exercise extreme caution at all times so full attention may be given to vehicle operation.

- If a conversation in a moving vehicle requires you to take notes, pull off the road to a safe location and stop your vehicle before doing so.

⚠ CAUTION

- Keep the antenna as far away as possible from the electronic control modules.

- Keep the antenna wire more than 8 in (20 cm) away from the electronic control system harness. Do not route the antenna wire next to any harness.

- Adjust the antenna standing-wave ratio as recommended by the manufacturer.

- Connect the ground wire from the CB radio chassis to the body.

- For details, consult a NISSAN dealer.

4 Bluetooth® Hands-Free Phone System

BLUETOOTH® HANDS-FREE PHONE SYSTEM

⚠ WARNING

- **Use a phone after stopping your vehicle in a safe location. If you have to use a phone while driving, exercise extreme caution at all times so full attention may be given to vehicle operation.**
- **If you find yourself unable to devote full attention to vehicle operation while talking on the phone, pull off the road to a safe location and stop your vehicle before doing so.**

⚠ CAUTION

To avoid draining the vehicle battery, use a phone after starting the engine.

Your NISSAN is equipped with Bluetooth® Hands-Free Phone System. If you are an owner of a compatible Bluetooth® enabled cellular phone, you can set up the wireless connection between your cellular phone and the in-vehicle phone module. With Bluetooth® wireless technology, you can make or receive a telephone call with your cellular phone in your pocket.

Once your cellular phone is paired to the in-vehicle phone module, no phone connecting procedure is required anymore. Your phone is automatically connected with the in-vehicle phone module when the ignition switch is pushed to the ON position with the registered cellular phone turned on and carried in the vehicle.

You can register up to 5 different Bluetooth® cellular phones in the in-vehicle phone module. However, you can talk on only one cellular phone at a time.

The NISSAN Voice Recognition system supports phone commands, so dialing a phone number using your voice is possible. "Voice recognition" page 8-1

Before using the Bluetooth® Hands-Free Phone System, refer to the following notes.

- Set up the wireless connection between a cellular phone and the in-vehicle phone module before using the Bluetooth® Hands-Free Phone System.
- Some Bluetooth® enabled cellular phones may not be recognized by the in-vehicle phone module. Please visit www.nissanusa.com/bluetooth for a recommended phone list.

- You will not be able to use a hands-free phone under the following conditions:
  — Your vehicle is outside of the telephone service area.
  — Your vehicle is in an area where it is difficult to receive radio waves; such as in a tunnel, in an underground parking garage, behind a tall building or in a mountainous area.
  — Your cellular phone is locked in order not to be dialed.
- When the radio wave condition is not ideal or ambient sound is too loud, it may be difficult to hear the other person's voice during a call.
- Immediately after the ignition switch is pushed to the ON position, it may be impossible to receive a call for a short period of time.
- Do not place the cellular phone in an area surrounded by metal or far away from the in-vehicle phone module to prevent tone quality degradation and wireless connection disruption.
- While a cellular phone is connected through the Bluetooth® wireless connection, the battery power of the cellular phone may discharge quicker than usual.

- If the Bluetooth® Hands-Free Phone System seems to be malfunctioning, please visit www.nissanusa.com/bluetooth for trouble-shooting help.

- Some cellular phones or other devices may cause interference or a buzzing noise to come from the audio system speakers. Storing the device in a different location may reduce or eliminate the noise.

- Refer to the cellular phone Owner's Manual regarding the telephone pairing procedure specific to your phone, battery charging, cellular phone antenna, etc.

- The antenna display on the monitor will not coincide with the antenna display of some cellular phones.

- Keep the interior of the vehicle as quiet as possible to hear the caller's voice clearly as well as to minimize its echoes.

- If reception between callers is unclear, adjusting the incoming or outgoing call volume may improve the clarity.

REGULATORY INFORMATION

FCC REGULATORY INFORMATION

— CAUTION: To maintain compliance with FCC's RF exposure guidelines, use only the supplied antenna. Unauthorized antenna, modification, or attachments could damage the transmitter and may violate FCC regulations.

— Operation is subject to the following two conditions:

1) this device may not cause interference and

2) this device must accept any interference, including interference that may cause undesired operation of the device

IC REGULATORY INFORMATION

— Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

— This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Bluetooth trademark:

Bluetooth®

BLUETOOTH® is a trademark owned by Bluetooth SIG, Inc., U.S.A.

VOICE COMMANDS

You can use voice commands to operate various Bluetooth® Hands-Free Phone System features using the NISSAN Voice Recognition system.

☞ "Voice recognition" page 8-1

CONTROL BUTTONS

[1] PHONE button

[2] 🗫 / ☎ button

PAIRING PROCEDURE

1. Push **<PHONE>** or the ☎ button, and highlight [Pair phone]. Then push **<ENTER>**.

2. Highlight [None (Add New)] from the name list of the phones, and push **<ENTER>**.

PHONEBOOK REGISTRATION

3. When a PIN code appears on the screen, operate the Bluetooth® cellular phone to enter the PIN code.

   The pairing procedure of the cellular phone varies according to each cellular phone. See the cellular phone Owner's Manual for the details. You can also visit www.nissanusa.com/bluetooth or call NISSAN Consumer Affairs Department for instructions on pairing NISSAN recommended cellular phones.

   When the pairing is completed, the screen will return to the Bluetooth® setup display.

Up to 40 phone numbers can be stored in the phonebook.

1. Push **<SETTING>**, and highlight [PHONE]. Then push **<ENTER>**.

2. Highlight [Phonebook], and push **<ENTER>**.

3. Highlight [None (Add New)] from the name list of the phonebook, and push **<ENTER>**.

4. Highlight [Transfer via Bluetooth], and push **<ENTER>** in order to register your cellular phone memory in the phonebook.

5. Operate the cellular phone to send a person's name and phone number from the memory of the cellular phone. The memory sending procedure from the cellular phone varies according to each cellular phone manufacturer. See the cellular phone Owner's Manual for more details.

6. After the memory is registered in the phonebook, the system will ask if you want to add a voicetag for it. If you want to add a voicetag, select [YES] on the "Add a voicetag?" screen. For example, if the partner's name is David, speak "David" after a tone. The "David" voicetag is stored in the phonebook. Voicetags allow easy dialing using the NISSAN Voice Recognition system.

☞"Voice recognition" page 8-1

7. When the phonebook registration is completed, the screen will return to the name list of the phonebook.

- To confirm the stored voicetags, highlight [Voicetag Directory], and push **<ENTER>**.

- There are different methods to input a phone number. Select one of the following options instead of "Transfer via Bluetooth" in step 4 above.

— **Enter Data by Keypad**

Input the name and phone number manually using the keypad displayed on the screen. ☞"Character (letter and number) input screen" page 1-16

— **Copy from Downloaded Phonebook**

Copy a phonebook from the Bluetooth® cellular phone. The availability of this function depends on each cellular phone. The copying procedure from the cellular phone also varies according to each cellular phone. See cellular phone Owner's Manual for more details.

— **Copy from Outgoing Call Logs**

Store the name and phone number from the outgoing call list.

— **Copy from Incoming Call Logs**

Store the name and phone number from the incoming call list.

— **Delete**

Delete a contact that is registered in the phonebook.

MAKING A CALL

To make a call, follow the procedures below.

1. Push **<PHONE>** or the ☎ button on the steering wheel. The "PHONE" screen will appear on the display.

2. Highlight [Call (Phonebook)] on the "PHONE" menu, and push **<ENTER>**.

3. Select the registered person's name from the list, and push **<ENTER>**. Dialing will start and the screen will change to the call-in-progress screen.

4. After the call is over, perform one of the following to finish the call.

   a) Highlight [Hang up] and push **<EN-TER>**.

   b) Push the ☎ button on the steering wheel.

   c) Push **<PHONE>**.

There are different methods to make a call. Select one of the following options instead of "Call (Phonebook)" in step 2 above.

● **Redial**

  Dial the previously dialed number again.

● **Call (Call Logs)**

  Select the name or phone number from the incoming or outgoing call logs.

● **Call (Downloaded)**

  Select the name or phone number from the downloaded call list.

● **Dial (Keypad)**

  Input the phone number manually using the keypad displayed on the screen.
  ☞ "Character (letter and number) input screen" page 1-16

RECEIVING A CALL

When you hear a phone ring, the display will change to the incoming call mode. To receive a call, perform one of the following procedures listed below.

1. Highlight [Answer] and push **<ENTER>**.

2. Push **<PHONE>**.

3. Push the ☎ button on the steering wheel.

There are some options available when receiving a call. Select one of the following displayed on the screen.

- **Answer**

  Accept an incoming call to talk.

- **On Hold**

  Put an incoming call on hold.

- **Reject Call**

  Reject an incoming call.

  To finish the call, perform one of the following procedures listed below.

1. Highlight [Hang up] and push **<ENTER>**.

2. Push **<PHONE>**.

3. Push the 📞 button on the steering wheel.

DURING A CALL

There are some options available during a call. Select one of the following displayed on the screen if necessary.

- **Hang up**

  Finish the call.

- **Use Handset**

  Transfer the call to the cellular phone.

- **Mute**

  Mute your voice to the person.

- **Keypad**

  Send a dial tone to the caller for using network services such as voice mail.

- **Cancel Mute**

  This will appear after [Mute] is selected. Mute will be canceled.

To adjust the person's voice to be louder or quieter, push **<VOL>** on the steering wheel or turn the volume control knob on the instrument panel while talking on the phone. This adjustment is also available in the SETTING mode.

PHONE SETTING

To set up the Bluetooth® Hands-Free Phone System to your preferred settings, push **<SETTING>** and highlight [PHONE], and then push **<ENTER>**.

PHONEBOOK

Up to 40 phone numbers can be stored in the phonebook.

☞ "PHONEBOOK REGISTRATION" page 4-5

DOWNLOADED PHONEBOOK

Refer to the following information for each item.

● **Download All**

Download all of the contacts registered in the Bluetooth® cellular phone. Availability of this function depends on each cellular phone. The memory downloading procedure from the cellular phone also varies according to each cellular phone. See cellular phone Owner's Manual for more details.

● **Delete Downloaded Phonebook**

Delete a downloaded phonebook.

● **Delete an Entry of Downloaded Phonebook**

Delete an entry from the downloaded phonebook.

AUTOMATIC HOLD

If this item is turned on, an incoming call will be placed on hold automatically after several rings.

USE VEHICLE RINGTONE

If this item is turned on, a specific ringtone that is different from the cellular phone's will sound when receiving a call.

DELETE CALL LOGS

Delete all of the incoming or outgoing call logs from the list.

BLUETOOTH SETUP

See the following information for each item.

- **Bluetooth**

  If this setting is turned off, the connection between the cellular phone and the in-vehicle phone module will be canceled.

- **Bluetooth Info**

  Check information about the device name, device PIN and connection status.

- **Pair Phone**

  ☞ "PAIRING PROCEDURE" page 4-4

- **Priority Change**

  Use this command to change the priority level of the active phone.

  The priority level determines which phone will be connected to the system when more than one paired Bluetooth® phone is in the vehicle.

  The system states the priority level of the active phone and asks for a new priority level (1, 2, 3, 4, 5).

If the new priority level is already being used for another phone, the two phones will swap priority levels.

For example, if the current priority levels are:
Priority Level 1 = Phone A
Priority Level 2 = Phone B
Priority Level 3 = Phone C
and you change the priority level of Phone C to Level 1, then:
Priority Level 1 = Phone C
Priority Level 2 = Phone B
Priority Level 3 = Phone A

- **Remove Paired Phone**

  Delete a registered cellular phone from the paired list.

- **Paired Phone List**

  Up to 5 registered cellular phones are shown on the list. If you select a cellular phone that is different from the one currently being connected, the newly selected phone will be connected to the system.

- **Edit Phone Name**

  Rename the registered cellular phones using the keypad displayed on the screen.
  ☞ "Character (letter and number) input screen" page 1-16

5 Heater and air conditioner

OPERATION PRECAUTIONS

⚠ WARNING

- **The air conditioner cooling function operates only when the engine is running.**
- **Do not leave children or adults who would normally require the support of others alone in your vehicle. Pets should not be left alone either. On hot, sunny days, temperatures in a closed vehicle could quickly become high enough to cause severe or possibly fatal injuries to people or animals.**
- **Do not use the recirculation mode for long periods as it may cause the interior air to become stale and the windows to fog up.**

Start the engine and operate the heater and air conditioner system.

You can individually set the driver and front passenger side temperature using each temperature control button.

HOW TO VIEW SCREEN

Push **<STATUS>** to display the heater and air conditioner status screen.

1 Displays the temperature setting for the driver side.

2 Displays the ventilator mode.

3 Displays that the air conditioner is set to AUTO mode.

4 Displays the fan speed setting.

5 Displayed when the DUAL model is turned ON.

6 Displays the temperature setting for the passenger side.

AUTOMATIC OPERATION

COOLING AND/OR DEHUMIDIFIED HEATING (AUTO)

This mode may be used all year round. The system works automatically to control the inside temperature, air flow distribution and fan speed after the preferred temperature is set manually.

1. Push **<AUTO>**. (The indicator on the button will illuminate and AUTO will be displayed.)

HEATING (A/C OFF)

The air conditioner does not activate in this mode. When you need to heat only, use this mode.

2. Operate the driver side temperature control dial to set the desired temperature.

   Adjust the temperature to about 75°F (24°C) for normal operation.

   ● The temperature of the passenger compartment will be maintained automatically. Air flow distribution and fan speed will also be controlled automatically.
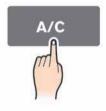
3. You can individually set driver and front passenger side temperature using each temperature control dial. When **<DUAL>** the passenger side temperature control dial is operated, the DUAL indicator will come on. To turn off the passenger side temperature control, push **<DUAL>**.

A visible mist may be seen coming from the ventilators in hot, humid conditions as the air is cooled rapidly. This does not indicate a malfunction.

1. Push **<A/C>**. The A/C indicator will turn off.

2. Operate the temperature control dial to set the desired temperature.

● The temperature of the passenger compartment will be maintained automatically. Air flow distribution and fan speed are also controlled automatically.

● Do not set the temperature lower than the outside air temperature. Otherwise the system may not work properly.

● Not recommended if windows fog up.

DEHUMIDIFIED DEFROSTING OR DEFOGGING

1. Push the front defroster button " 🔲 ". The indicator light on the button will come on.

2. Operate the temperature control dial to set the desired temperature.

● To quickly remove ice from the outside of the windows, turn the fan speed control dial " 🌂 " and set it to the maximum position.

● As soon as possible after the windshield is clean, push **<AUTO>** to return to the auto mode.

● When the front defroster button " 🔲 " is pushed, the air conditioner will automatically be turned on at outside temperatures above 23°F (−5°C) to defog the windshield, and the air recirculate mode will automatically be turned off.

Outside air is drawn into the passenger compartment to improve the defogging performance.

MANUAL OPERATION

FAN SPEED CONTROL

Turn the fan speed control dial " ✿ " to manually control the fan speed.

Push **<AUTO>** to return to automatic control of the fan speed.

AIR RECIRCULATION

Push the intake air control button "⟲" to recirculate interior air inside the vehicle. The indicator light "⟲" will come on.

The air recirculation mode cannot be activated when the air conditioner is in the front defrosting mode " ▥ ".

OUTSIDE AIR CIRCULATION

Push the outside air circulation button "⟿" to change the air circulation from the intake air to the outside air. The indicator light "⟿" will come on.

AUTOMATIC AIR INTAKE CONTROL
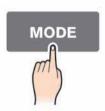
In the AUTO mode, the intake air will be controlled automatically. To manually control the intake air, push the intake air control button "⟲". To return to the automatic control mode, push the intake air control button "⟲" for about 2 seconds. The indicator lights will flash twice, and then the intake air will be controlled automatically.

AIR FLOW CONTROL

Pushing **<MODE>** selects the air outlet to:
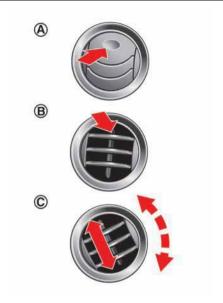
- ⤳ : Air flows from center and side ventilators.

- ⤳ : Air flows from center and side ventilators and foot outlets.

- ⤳ : Air flows mainly from foot outlets.
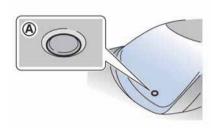
- ⤳ : Air flows from defroster and foot outlets.

TO TURN THE SYSTEM OFF

Push **<OFF>**.
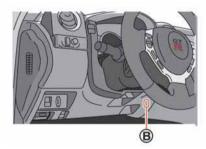
VENTILATORS

The direction of the air flow can be adjusted by Ⓐ opening, Ⓑ closing or Ⓒ adjusting.

OPERATING TIPS

The sensors Ⓐ and Ⓑ on the instrument panel help maintain a constant temperature. Do not put anything on or around these sensors.

IN-CABIN MICROFILTER

The air conditioning system is equipped with an in-cabin microfilter which collects dirt, pollen, dust, etc. To make sure the air conditioner heats, defogs, and ventilates efficiently, replace the filter in accordance with the maintenance schedule in the NISSAN Service and Maintenance Guide. To replace the filter, contact a NISSAN dealer.

The filter should be replaced if air flow is extremely decreased or when windows fog up easily when operating heater or air conditioning system.

SERVICING AIR CONDITIONER

The air conditioning system in your NISSAN is charged with a refrigerant designed with the environment in mind. **This refrigerant will not harm the earth's ozone layer.** However, special charging equipment and lubricant are required when servicing your NISSAN air conditioner. Using improper refrigerants or lubricants will cause severe damage to your air conditioning system. Refer to the vehicle Owner's Manual.

Your NISSAN dealer will be able to service your environmentally friendly air conditioning system.

> ⚠️ **WARNING**
>
> **The system contains refrigerant under high pressure. To avoid personal injury, any air conditioner service should be done only by an experienced technician with the proper equipment.**

MEMO

6 Viewing information

STATUS SCREEN

By pushing **<STATUS>** while the current location map screen is displayed, you can display the current status of the multi function display system.

Each time **<STATUS>** is pushed, displayed information is switched in the order of audio, air conditioner, vehicle information and navigation route information.

ℹ️ **INFO:**

There are different status screens displayed depending on various factors, such as the currently active mode, whether a destination has been set or not, etc.

When a route to the destination is not set and the audio system is off, a screen similar to the one above appears.

When a route to the destination is set and the audio system is on, a screen similar to the one above appears.

1️⃣ Turning direction at the next intersection

2️⃣ Distance to the next intersection

3️⃣ Remaining time to the destination

4️⃣ Name of the next street

INFORMATION SCREEN

This screen allows you to set or view various information that is helpful for using the vehicle safely and comfortably, such as maintenance information, Traffic Info. setup (XM® NavTraffic™ subscription is required), current location information, GPS information, Voice recognition list and map version.

1. Push **<INFO>**.

2. Highlight the preferred item and push **<ENTER>**.

Available items

- Fuel Economy:
  Displays the fuel economy information.
  ☞ "FUEL ECONOMY INFORMATION" page 6-3

- Tire Pressure:
  Displays the tire pressure information.
  ☞ "TIRE PRESSURE INFORMATION" page 6-4

- Maintenance:
  Displays the vehicle maintenance information.
  ☞ "MAINTENANCE INFORMATION" page 6-5

- Traffic Info.:
  Allows Traffic Info. setup.
  ☞ "VIEWING AVAILABLE TRAFFIC INFORMATION" page 6-7

- Where am I?:
  Displays information regarding the current vehicle location.
  ☞ "VIEWING INFORMATION ABOUT CURRENT VEHICLE LOCATION" page 6-13

- GPS Satellite Info.:
  Displays GPS information regarding the current vehicle location.
  ☞ "VIEWING GPS CURRENT LOCATION INFORMATION" page 6-14

- Voice Recognition (Alternate command mode):
  Displays the list of voice recognition.
  ☞ "Confirming voice commands" page 8-14

- Navigation Version:
  Displays the map version information.
  ☞ "VIEWING NAVIGATION SYSTEM VERSION INFORMATION" page 6-14

VEHICLE INFORMATION DISPLAY

FUEL ECONOMY INFORMATION

The distance to empty, average fuel economy and current fuel economy (shown on the right side bar) will be displayed for reference.

To reset the Average Fuel Economy, highlight [Reset] and push **<ENTER>**.

If [View] is highlighted and **<ENTER>** is pushed, the average fuel consumption history will be displayed in graph form along with the average for the previous Reset-to-Reset period.

The unit can be converted between "US" and "Metric".

☞ "UNIT SETTINGS" page 7-8

TIRE PRESSURE INFORMATION

The tire pressure will be displayed for reference.

The pressure indication "** psi" on the screen means that the tire pressure is being measured. After a few driving trips, the pressure for each tire will be displayed.

In case of low tire pressure, LOW PRESSURE information will be displayed on the screen. Check the pressure for all tires.

Tire pressure rises and falls depending on the heat caused by the vehicle's traveling condition and the temperature.

⚠️ WARNING

- When a wheel is replaced, tire pressure will not be indicated, the TPMS will not function and the low tire pressure warning light will flash for approximately 1 minute. The light will remain on after 1 minute. Contact your NISSAN dealer as soon as possible for tire replacement and/or system resetting.

- Replacing tires with those not originally specified by NISSAN could affect the proper operation of the TPMS.

Tire malfunction

When the system detects a tire malfunction, the following message is displayed.

● Low pressure

The low-pressure tire is displayed in orange, and a warning message appears.

● Flat tire

When the system detects a puncture, the punctured tire is displayed in red, and a warning message appears.

● TPMS malfunction

When the system displays the tire pressure as "**", the pressure values for the tires are not displayed.

INFO:

When a tire malfunction occurs, a warning message will also be displayed in Vehicle Information.

MAINTENANCE INFORMATION

The maintenance intervals can be displayed for your desired maintenance items.

To set the maintenance interval for Reminders 1 to 4, choose an item and push **<ENTER>**.

You can also set to display a message to remind you that the maintenance needs to be performed.

The following example shows how to set Reminder 1. Use the same steps to set the other maintenance information.

1. Reset the driving distance to the new maintenance schedule.

2. Set the interval (mileage) of the maintenance schedule. To determine the recommended maintenance interval, refer to your "NISSAN Service and Maintenance Guide".

3. To display the reminder automatically when the set trip distance is reached, highlight [Interval Reminder] and push **<ENTER>**.

4. To return the display to MAINTENANCE INFO., push **<BACK>**.

Maintenance information display cannot be operated when the vehicle is moving. Stop the vehicle in a safe place to see the information.

The unit can be converted between "US" and "Metric".

The Reminder will be automatically displayed as shown when both of the following conditions are met:

● the vehicle is driven the set distance and the ignition switch is pushed to the LOCK position.

● the ignition switch is pushed to the ACC or ON position the next time you drive the vehicle after the set value has been reached.

To return to the previous display after the maintenance reminder screen is displayed, push **<BACK>**.

The maintenance reminder screen is displayed each time the ignition switch is pushed to the ON position unless one of the following operations is performed:

● "Reset Distance" is selected.

● "Interval Reminder" is set to OFF.

● the maintenance interval is set again.

VIEWING AVAILABLE TRAFFIC INFORMATION

XM® NavTraffic™ information is a subscription service offered by XM® Satellite Radio.

This service provides real-time information regarding traffic flow, accidents, road construction and other incidents, where available.

XM® NavTraffic™ combines information from commercial and public traffic data providers including government departments of transportation, police, emergency services, road sensors, cameras and aircraft reports. The traffic information is broadcast to the vehicle by the XM® satellites. Available traffic information on the route the driver selected is shown on the navigation screen so traffic conditions between you and the destination are known. Three types of real-time traffic information for major roadways are shown on the navigation system:

* Unscheduled traffic data for example, accidents and disabled vehicles.

* Scheduled traffic data, for example road construction and road closures.

* Traffic flow information (rate of speed data).

⚠️ WARNING

XM® NavTraffic™ information is not a substitute for attentive driving. Traffic conditions change constantly and emergency situations can arise without warning. Relying only on XM® NavTraffic™ information may lead to a collision and could result in serious personal injury.

NOTICE

Flow information is provided only for roads equipped with traffic sensors and is not available in all markets covered by the service. Flow data may not be available on portions of a road that is under construction.

XM® NavTraffic™ information is available in limited markets. To subscribe or to check if this service is available in your area:
call 1-800-XM-RADIO (1-800-967-2346) or see www.xmnavtraffic.com

XM trademark:

The XM® name and XM® NavTraffic™ are registered trademark of XM® Satellite Radio, Inc.

ℹ️ INFO:

If you do not have a contract for XM® NavTraffic™ information service, a message appears, and it will not be possible to check the information on the traffic information system.

1. Press **<INFO>**.

2. Highlight [Traffic Info.] and push **<ENTER>**.

3. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

Available items

- Info on Route:
  Displays the list of traffic information found on the recommended route from the current vehicle location to the destination.

- Nearby Traffic Info.:
  Displays the list of traffic information around the current vehicle location.

- User Locations:
  Allows you to check the traffic information around stored locations.

- Traffic Info. Settings:
  Allows you to confirm or change the settings for the traffic information related functions.
  ☞ "Traffic Information Settings" page 2-68

INFO ON ROUTE

This is only available when a route is set.

The list of traffic information found on the recommended route from the current vehicle location to the destination is displayed. Also, you can check the detailed information about the displayed events.

1. Highlight [Info. on Route] and push **<EN-TER>**. A list screen is displayed.

2. Select the event that you desire to check the detailed information, and push **<ENTER>**.

3. The map screen centered around the selected event is displayed. On the left screen, the detailed information about the event is displayed.
   You can scroll the message by using the center dial or the touch panel.

4. Push **<BACK>** to return to the previous screen.

NEARBY TRAFFIC INFO.

The list of traffic information around the current vehicle location is displayed. A maximum of 400 events can be displayed.

1. Highlight [Nearby Traffic Info.] and push **<ENTER>**. A list screen is displayed.

2. Select the event that you desire to check the detailed information for and push **<ENTER>**.

3. The map screen centered around the selected event is displayed. On the left screen, the detailed information about the event is displayed. You can scroll the message by using the center dial or the touch panel.

4. Push **<BACK>** to return to the previous screen.

USER LOCATIONS

You can check the traffic information around stored locations. The method of how to store a location is the same as for the operation with Address Book.

☞ "Storing a location by searching" page 2-80

1. Highlight [User Locations] and push **<ENTER>**. A list screen is displayed.

2. When the location that you desire to check the traffic information for is selected, the map screen centered around the stored location with traffic information is displayed on the right screen.

3. By selecting the stored location and pushing **<ENTER>**, you can edit the stored location.

Available setting items

● Rename:
  Changes the name.

● Move Location:
  Adjusts the location of the stored location.

● Delete:
  Deletes the stored location.

● OK:
  Applies the settings.

DISPLAY URGENT TRAFFIC INFORMATION

When an urgent event is found around the current vehicle location, a message pops up automatically with a voice announcement.

The message includes the icon, event type, event information and the direct distance from the current location to the event.

- Urgent traffic information is displayed regardless of whether the traffic information system is on or off.

- When there are multiple urgent events, the event with the shortest direct distance from the current location is displayed.

- If the urgent event is on the recommended route, and if a detour is found, the detour route notification screen is displayed when the vehicle approaches the detour point.

TRAFFIC INFORMATION ON MAP

With subscription to XM® NavTraffic™ service, traffic information is displayed on both Plan View and Birdview™ map screens.
See "Notes on XM® NavTraffic™ Information" for further information.

Screen information

1. Road conditions
   Free Flow: ➔ (Green)
   Moderate traffic: ➔ (Yellow)
   Heavy traffic: ➔ (Red)
   Section affected by serious traffic event: ┄➔ (Purple)

2. Estimated travel time to destination calculated with consideration of traffic information on route.

3. Traffic information icons:

	Events on route or when no route is set	Events not on route
Accident		
Closed road		
Information		
Road work		
Slippery road		
Weather		
Incident		

4. **Traffic** Traffic indicator:

   Displays the reception condition of traffic information transmitted from the provider.
   Green: Reception condition is good.
   Gray: Reception condition is not good.
   No mark: Subscription to XM® NavTraffic™ service is not detected.

INFO:

If the route is not already set, all of the event icons on the map screen are displayed in color. When the route is already set, the icons on the route are displayed in color, and the icons outside the route are displayed in gray.

Traffic information can be displayed in the following scale levels

Plan View	Birdview
Actual distance	Distance between grids
5 miles (10 km)	—
2 miles (4 km)	—
1 mile (2 km)	4 miles (8 km)
1/2 mile (1 km)	2 miles (4 km)
1/4 mile (500 m)	1 mile (2 km)
1/8 mile (200 m)	1/2 mile (1 km)
300 ft (100 m)	1/4 mile (500 m)
150 ft (50 m)	1/6 mile (250 m)

INFO:

The traffic information icons are not displayed on the map screen when the map scale is set to the building footprint graphics (Plan View), or the 3D building graphics (Birdview™).

Checking detailed information for the traffic information icons on the map

1. Place the cross pointer over the traffic information icon. The general description of the icon is displayed.

2. Push **<ENTER>** or touch [Detail]. The screen for showing the detailed information for the traffic information icon is displayed.

3. The map screen centered around the selected event is displayed. On the left screen, the detailed information about the event is displayed. You can scroll the message by using the center dial or the touch panel.

4. Push **<MAP>** to return to the current location map screen.

VIEWING INFORMATION ABOUT CURRENT VEHICLE LOCATION

This allows you to display the information about the vehicle location on the route when driving according to route guidance.

1. Push **<INFO>**.

2. Highlight [Where am I?] and push **<ENTER>**.

3. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

Contents of vehicle location information

1 Next Street:

Displays the next street on the route.

2 Current Street:

Displays the current street on the route.

3 Previous Street:

Displays the previous street on the route.

4 Displays the distance to the next intersection on the route.

5 Displays the distance traveled from the previous intersection on the route.

VIEWING GPS CURRENT LOCATION INFORMATION

This allows you to display GPS information, such as the positioning status, latitude/longitude, altitude and satellite locations.

1. Push **<INFO>**.

2. Highlight [GPS Satellite Info] and push **<ENTER>**.

3. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.
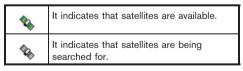
Contents of GPS information

1   Calculation:

Displays the GPS positioning method.

3-dimension	Calculating the latitude, longitude and altitude by four or more satellites.
2-dimension	Calculating the latitude, longitude and altitude by three or more satellites.
Out of range	Cannot calculate because no GPS satellites can be located.

2   Latitude/Longitude:

Displays the latitude/longitude.

3   Approx Altitude:

Displays the approximate altitude.

4   Positioning status:

| | It indicates that satellites are available. |
| | It indicates that satellites are being searched for. |

VIEWING NAVIGATION SYSTEM VERSION INFORMATION

This allows you to display the map version information.

1. Push **<INFO>**.

2. Highlight [Navigation Version] and push **<ENTER>**.

3. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

7 Other settings

SETTINGS SCREEN

The system can be customized to make it easier for you to use.

1. Push **<SETTING>**.

2. Highlight the preferred setting item and push **<ENTER>**.

Available items

- Display:
  Allows you to adjust the display.
  ☞ "DISPLAY SETTINGS" page 7-2

- Audio:
  Allows you to adjust the audio settings.
  ☞ "AUDIO SETTINGS" page 7-4

- Navigation:
  Allows you to adjust various settings of the navigation system.
  ☞ "OTHER NAVIGATION SETTINGS" page 2-104

- Volume and Beeps:
  Allows you to adjust the volume.
  ☞ "VOLUME ADJUSTMENT" page 7-5

- Phone:
  Allows you to adjust various settings of the Bluetooth® Hands-Free Phone System.
  ☞ "PHONE SETTING" page 4-9

- Clock:
  Allows you to change the clock settings.
  ☞ "CLOCK SETTINGS" page 7-6

- Comfort & Conv.:
  This item is displayed when the ignition switch is in the ON position.
  ☞ "COMFORT & CONV. SETTINGS" page 7-7

- Others:
  — Voice Recognition (Alternate command mode):
    ☞ "SYSTEM FEEDBACK AN-NOUNCEMENT MODES" page 8-23
  — Language/Unit:
    ☞ "LANGUAGE AND UNIT SET-TINGS" page 7-7

ℹ️ **INFO:**

The displayed items vary depending on the equipped options.

DISPLAY SETTINGS

This menu allows you to turn on and off the display and adjust the image quality.

1. Push **<SETTING>**.

2. Highlight [Display] and push **<ENTER>**.

3. Highlight the preferred adjustment item and push **<ENTER>**.

4. Adjust the preferred setting.

5. After setting, push **<ENTER>** or **<BACK>** to apply the setting.

6. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

Available items
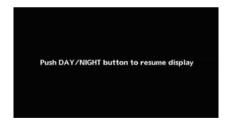
- Display:
  Allows you to turn on/off the screen.
  ☞ "DISPLAY" page 7-3

- Brightness:
  Allows you to adjust the screen brightness.
  ☞ "BRIGHTNESS" page 7-3

- Contrast:
  Allows you to adjust the screen contrast.
  ☞ "CONTRAST" page 7-3

- Background Color:
  Allows you to set the background color.
  ☞ "BACKGROUND COLOR" page 7-4

DISPLAY

To turn off the display, push **<ENTER>**. The display can also be turned off by pushing and holding **<Day/Night OFF>** for more than 2 seconds.

When any button is pushed with the display off, the display turns on. The display will automatically turn off 5 seconds after the operation is finished. To turn on the display, push **<Day/ Night OFF>**.

BRIGHTNESS

Adjust the display brightness by rotating the center dial in the direction of [+] or [−]. Each time you adjust the brightness, the display brightness changes.

CONTRAST

Adjust the display contrast by rotating the center dial in the direction of [+] or [−]. Each time you adjust the contrast, the display contrast changes.

BACKGROUND COLOR

Select the background color from bright color or dark color.

Bright background color

Dark background color

AUDIO SETTINGS

This allows to you adjust the speaker tone quality and sound balance.

1. Push **<SETTING>**.

2. Highlight [Audio] and push **<ENTER>**.

3. Highlight the preferred adjustment item and push **<ENTER>**.

4. Use the center dial to adjust the tone quality or sound balance.

5. After settings, push **<ENTER>** or **<BACK>** to apply the setting.

6. Push **<BACK>** to return to the previous screen.
   Push **<MAP>** to return to the current location map screen.

Available items

- Bass:
  Adjust the tone quality of the bass by rotating the center dial in the direction of [+] or [−].

- Treble:
  Adjust the tone quality of the treble by rotating the center dial in the direction of [+] or [−].

- Balance:
  Adjust the sound level between the left and right speakers by rotating the center dial in the direction of [Left] or [Right].

- Fade:
  Adjust the sound level between the front and rear speakers by rotating the center dial in the direction of [Front] or [Rear].

- Seed Sensitive Vol.:
  The sound volume is increased according to the vehicle speed. Use to center dial to adjust the effect level between 0 (OFF) to 5.

INFO:

Pushing and turning the AUDIO knob can also adjust the tone quality and sound balance.

VOLUME ADJUSTMENT

This allows you to turn on and off, as well as adjust, the phone function (ringer, incoming and outgoing volume), the voice guide function and the beep function.

1. Push **<SETTING>**.

2. Highlight [Volume and Beeps] and push **<ENTER>**.

3. Highlight the preferred adjustment item and push **<ENTER>**.

4. Use the center dial to adjust the volume. Push **<ENTER>** to set ON/OFF.

5. After setting, push **<ENTER>** or **<BACK>** to apply the setting.

6. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

Available items

- Guidance Vol.:
  Adjust the volume level of voice guidance by rotating the center dial in the direction of [+] or [−].

- Guidance Voice:
  Select to toggle the voice guidance function between on and off. The indicator light illuminates when the voice guidance function is set to on.

- Ringer Vol.:
  Adjust the volume level of the phone ringer by rotating the center dial in the direction of [+] or [−].

- Incoming Call:
  Adjust the phone incoming volume by rotating the center dial in the direction of [+] or [−].

- Outgoing Call:
  Adjust the phone outgoing volume by rotating the center dial in the direction of [+] or [−].

- Button Beeps:
  Select to toggle the beep function between on and off. The indicator light illuminates when the beep function is set to on. The beep that sounds when pushing and holding a button or when a prohibited operation is performed cannot be set to off.

CLOCK SETTINGS

This allows you to change the clock settings.

1. Push **<SETTING>**.

2. Highlight [Clock] and push **<ENTER>**.

3. Highlight the preferred adjustment item and push **<ENTER>**.

4. Use the center dial to adjust to the preferred setting. Push **<ENTER>** to set ON/OFF.

5. After setting, push **<ENTER>** or **<BACK>** to apply the setting.

6. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

Available items

● On-screen Clock:
  Select to toggle the clock display located in the top right corner of the display between on and off. The indicator light illuminates when the clock display is set to on.

● Clock Format:
  Use the center dial to change the clock format between 12-hour and 24-hour.

● Offset Adjust:
  Use the center dial to adjust the offset value (between −59 and +59).

● Daylight Saving Time:
  Select to toggle the daylight saving time setting between on and off. The indicator light illuminates when the daylight saving time setting is set to on.

● Time Zone:
  Select an appropriate time zone from the list that appears when you select this item.

  — Pacific
  — Mountain
  — Central
  — Eastern
  — Atlantic
  — Newfoundland
  — Hawaii
  — Alaska

COMFORT & CONV. SETTINGS

The following display will appear when pushing **<SETTING>**, selecting [Comfort & Conv.] and pushing **<ENTER>**. This key does not appear on the display until the ignition switch is pushed to the ON position.

Available items

- Auto Interior Illumination:
  When this item is turned to ON, the interior lights will illuminate if any door is unlocked.

- Speed Sensing Wiper Interval:
  When this item is turned to ON, the wiper interval is adjusted automatically according to the vehicle speed.

- Selective Door Unlock:
  When this item is turned to ON, only the driver's door is unlocked first after the door unlock operation. When the door handle request switch on the driver's or front passenger's side door is pushed to be unlocked, only the corresponding door is unlocked first. All the doors can be unlocked if the door unlock operation is performed again within 60 seconds.

  When this item is turned to OFF, all the doors will be unlocked after the door unlock operation is performed once.

- Intelligent Key Lock/Unlock:
  When this item is turned to ON, door lock/ unlock function by pushing the door handle request switch will be activated.

- Return All Settings to Default:
  Select this item, push **<ENTER>** and choose "YES" if you want to return all settings to the default.

LANGUAGE AND UNIT SETTINGS

This allows you to change the language and measurement unit used in the system.

LANGUAGE SETTINGS

1. Push **<SETTING>**.

2. Highlight [Others] and push **<ENTER>**.

3. Highlight [Language/Units] and push **<EN-TER>**.

4. Highlight [Select Language] and push **<EN-TER>**.

5. Highlight the preferred setting item and push **<ENTER>**. The indicator light of the selected item illuminates.

   Available languages

   — English

   — Français

NOTICE

Do not change the ignition switch position while changing the language. Doing so may cause a system malfunction.

UNIT SETTINGS

1. Push **<SETTING>**.

2. Highlight [Others] and push **<ENTER>**.

3. Highlight [Language/Units] and push **<ENTER>**.

4. Highlight [Select Units] and push **<ENTER>**.

5. Highlight the preferred unit and push **<ENTER>**. The indicator of the selected unit illuminates.

   Available units

   — US:
   mile, MPH, °F, MPG

   — Metric:
   km, km/h, °C, L/100 km

6. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

UNIT SETTINGS (pressure)

1. Push **<SETTING>**.

2. Highlight [Others] and push **<ENTER>**.

3. Highlight [Language/Units] and push **<EN-TER>**.

4. Highlight [Select Units (Pressure)] and push **<ENTER>**.

5. Highlight the preferred unit and push **<EN-TER>**. The indicator of the selected unit illuminates.

   Available units

   — kPa

   — PSI

6. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

MEMO

8 Voice recognition

ABOUT NISSAN VOICE RECOGNITION

NISSAN Voice Recognition allows hands-free operation of the navigation system and other systems equipped on this vehicle, in one of two modes, Standard Mode or Alternate command mode. In Standard mode, you can operate navigation, phone and vehicle information.

The commands that are available are always shown on the display and announced by the system. You can complete your desired operation by simply following the prompts given by the system. In this mode, hands-free operation of Audio, Climate Control and Display is not available through Voice Recognition.

For advanced operation, you can change to an Alternate command mode that enables the operation of the display, audio and climate control through Voice Recognition. When this mode is active, an expanded list of commands can be spoken after pushing **<TALK>**, and the voice command menu prompts are turned off. Please note that in this mode the recognition success rate may be affected because the number of available commands and ways of speaking each command are increased.

☞ "ALTERNATE COMMAND MODE" page 8-13

ⓘ **INFO:**

To improve recognition success when Alternate command mode is active, try using the Command Learning Function available in that mode.

☞ "VOICE COMMAND LEARNING FUNCTION" page 8-24

Otherwise, it is recommended that Alternate command mode be turned OFF and Standard Mode be used for the best recognition performance.

STANDARD MODE

DISPLAYING HOW TO OPERATE THE VOICE RECOGNITION SYSTEM

If you are using the voice recognition system for the first time or if you would like help using the system you can display the user guide to assist you.

How to use voice commands

You can confirm how to use voice commands by accessing a simplified User Guide, which contains basic instructions and tutorials for several voice commands.

1. Push **<INFO>**.

2. Highlight [Voice Recognition] and push **<ENTER>**.

3. Highlight [User Guide] and push **<ENTER>**.

4. Highlight the preferred item and push **<ENTER>**.

Available items

- Getting Started:

  Describes the basics of how to operate the voice recognition system.

- Placing Calls:

  Tutorial for making a phone call by voice command operation.

- Finding a Street Address:

  Tutorial for entering a destination by street address.

- Help on Speaking:

  Displays useful tips regarding speaking for correct command recognition by the system.

- Voice Recognition Settings:

  Describes the available voice recognition settings.

ℹ️ **INFO:**

The Command List feature is only available when Alternate command mode is active.

Getting Started:

Before using the voice recognition system for the first time, you can confirm how to use commands by viewing the Getting Started section of the User Guide.

1. Highlight [Getting Started] and push **<EN-TER>**.

2. You can confirm the page by scrolling the screen using the center dial.

Tutorials on the operation of the voice recognition system:

If you choose [Finding a Street Address] or [Placing Calls], you can view tutorials on how to perform these operations using voice recognition.

Useful tips for correct operation:

You can display useful speaking information that helps the system recognize your voice commands correctly.

1. Highlight [Help on Speaking] and push **<ENTER>**.

2. You can confirm the page by scrolling the screen using the center dial.

Voice recognition settings:

The available settings of the voice recognition system are described.

1. Highlight [Voice Recognition Settings] and push **<ENTER>**.

2. You can confirm the page by scrolling the screen using the center dial.

USING THE SYSTEM

Initialization

When the ignition switch is pushed to the ON position, NISSAN Voice Recognition is initialized, which takes a few seconds. When completed, the system is ready to accept voice commands. If **<TALK>** is pushed before the initialization completes, the display will show the message: "Phonetic data downloading. Please wait."

BEFORE STARTING

To get the best recognition performance from NISSAN Voice Recognition, observe the following:

● The interior of the vehicle should be as quiet as possible. Close the windows to eliminate the surrounding noises (traffic noise and vibration sounds, etc.), which may prevent the system from correctly recognizing the voice commands.

● Wait until the tone sounds before speaking a command.

● Speak in a natural conversational voice without pausing between words.

● If the air conditioner is set to "Auto", the fan speed is automatically lowered so that your commands can be recognized more easily.

GIVING VOICE COMMANDS

1. Push **<TALK>** located on the steering switch.

2. A list of commands appears on the screen, and the system provides the voice menu prompt "Would you like to access Phone, Navigation, Information or Help?"

3. After the tone sounds and the icon on the screen changes from [ ] to [ ], speak a command.

4. Continue to follow the voice menu prompts and speak after the tone sounds until your desired operation is completed.

Operating tips

- Say a command after the tone.

- Commands that are available are always shown on the display and spoken through voice menu prompts. Commands other than those that are displayed are not accepted. Please follow the prompts given by the system.

- If the command is not recognized, the system announces, "Please say again". Repeat the command in a clear voice.

- Push **<TALK>** once to return to the previous screen.

- If you want to cancel the command, push and hold **<TALK>**. The message, "Voice cancelled" will be announced.

- When you do not say a command, the system pauses the operation. Push **<TALK>** to restart the operation.

- If you want to adjust the volume of the system feedback, push the volume control buttons [+] or [−] on the steering switch or use the audio system volume knob while the system is making an announcement.

How to speak numbers

NISSAN Voice Recognition requires a certain way to speak numbers when giving voice commands. Refer to the following examples.

General rule:

Only single digits 0 (zero) to 9 can be used. For example, if you would like to say 500, "five zero zero" can be used, but "five hundred" cannot.

Examples:

1-800-662-6200

"One eight zero zero six six two six two zero zero"

Improving Recognition of Phone numbers:

You can improve the recognition of phone numbers by saying the phone number in 3 groups of numbers. For example, when you try to call 800-662-6200, say "Eight Zero Zero" first, and the system will then ask you for the next three digits. Then, say "Six Six Two". After recognition, the system will then ask for the last 4 digits. Say, "Six Two Zero Zero". Using this method of phone digit entry can improve recognition performance.

INFO:

When speaking a house number, speak the number "0" as "zero". If the letter "O" is included in the house number, it will not be recognized as the number "0" even if you speak "oh" instead of "zero".

Reason:

You can only say zero for "0". You can say zero or Oh for "o".

Command List

Category Command:

Command	Action
Navigation	Operates Navigation function
Phone	Operates Phone function
Information	Displays vehicle Information function
Help	Displays User Guide

Navigation Command:

Command	Action
Address	Searches for a location by the street address specified, and sets a route (for continental US only).
Places	Sets a route to a facility near the current vehicle location.
Home	Sets a route to your home that is stored in the Address book.
Previous Destinations	Sets a route to a previous destination.

Phone Command:

Command	Action
Dial Number	Makes a call to a spoken phone number up to 10 digits.
Redial	Makes a call to the latest dialed number.
Phonebook	Makes a call to a contact that is stored in the Phonebook.
International Call	Makes an international call by allowing more than 10 digits to be spoken.
Change Number	Corrects the phone number when it is not recognized (available during phone number entry).

Information Command:

Command	Action
Fuel Economy	Displays fuel economy information.
Trip Computer	Displays trip information.
Maintenance	Displays maintenance information.
Traffic Info.	Turns the traffic information system ON and OFF.

VOICE COMMAND EXAMPLES

To use the voice recognition function, speaking one command is sometimes sufficient, but at other times it is necessary to speak two or more commands. As examples, some additional basic operations that can be performed by voice commands are described here.

Example 1: Setting a destination by a street address

1. Push **<TALK>** located on the steering switch.

2. The system announces, "Would you like to access Phone, Navigation, Information or Help?"

3. Speak "Navigation".

4. Speak "Address".

5. Speak the name of the state, "California".

6. Speak the name of the city, "Gardena".

7. Speak the name of the street, "South Figueroa street".

INFO:

Only the official street names stored in the map database can be recognized by the system. To improve accuracy, speak the street name precisely and include Boulevard, Way, North, South, etc., if known. If you are unsure of the full name, speaking only the name such as "Figueroa" is acceptable, but recognition accuracy may be reduced.

8. Voice feedback will be provided when the command is accepted, and the list of street names appears.

9. After the tone sounds and the icon on the screen changes again, speak "One".

10. Speak the house number.
   "How to speak numbers" page 8-5

INFO:

If you do not know the house number, speak "No house number".

11. To confirm the destination location on the map, speak "Show map". To calculate a route, speak "Calculate route".

Example 2: Placing a call to the phone number 800-662-6200

1. Push **<TALK>** located on the steering switch.

2. The system announces, "Would you like to access Phone, Navigation, Information or Help?"

3. Speak "Phone".

4. Speak "Dial Number".

5. Speak "800".

6. The system announces, "Please say the next three digits or dial, or say change number.". Speak "662".

7. The system announces, "Please say the last four digits or say change number". Speak "6200".

8. The system announces, "Dial or Change Number?". Speak "Dial".

9. The system makes a call to 800-662-6200.

ℹ️ **INFO:**

- You can also speak "800-662-6200" (10 continuous digits) or "662-6200" (7 continuous digits), if the area code is not necessary. However the 3-3-4 digit grouping is recommended for improved recognition.

  ☞ "How to speak numbers" page 8-5

- You can only say a phone number in using the 3-3-4 grouping, 7 digits, and 10 digits using this command. Please use the "International Call" command for all other formats.

- If you say "Change Number" during phone number entry, the system will automatically request that you repeat the number using the 3-3-4 format. In this case please say the area code first and then follow the prompts.

- Do not add a "1" in front of the area code when speaking phone numbers.

- If the system does not recognize your command, please try repeating the command using a natural voice. Speaking too slow or too loudly may further decrease recognition performance.

Example 3: Placing an international call to the phone number 011-81-111-222-3333

1. Push **<TALK>** located on the steering switch.

2. The system announces, "Would you like to access Phone, Navigation, Information or Help?"

3. Speak "Phone".

4. Speak "International Call".

5. Speak "01181111222333".

6. Speak "Dial".

7. System makes a call to 011-81-111-222-3333.

ℹ️ **INFO:**

Any digit input format is available in the International Number input process.

ALTERNATE COMMAND MODE

The following section is applicable when Alternate command mode is activated.

☞ "SETTING THE ALTERNATE COMMAND MODE" page 8-23

When Alternate command mode is activated, an expanded list of commands can be use after pushing **<TALK>**. Under this mode, the screen of the standard commands is not available on the display. Please review the expanded command list, available when this mode is active, as some Standard Mode commands are replaced. Please see examples of Alternate command mode screens.

☞ "Confirming voice commands" page 8-14

DISPLAYING HOW TO OPERATE THE VOICE RECOGNITION SYSTEM

If you are using the voice recognition system for the first time or if you would like help using the system you can display the voice command list (available only in Alternate command mode) or the user guide to assist you.

1. Push **<INFO>**.

2. Highlight [Voice Recognition] and push **<ENTER>**.

3. Highlight the preferred item and push **<ENTER>**.

Available items

- Command List:
  A list of voice commands that the system can recognize is displayed.

- User Guide:
  A simplified operation manual of the voice recognition system can be displayed and how to use the voice commands can be confirmed.

ℹ️ **INFO:**

The Command List feature is only available when Alternate command mode is active.

Confirming voice commands

If you are controlling the system by voice commands for the first time or do not know the appropriate voice command, confirm the voice command lists.

Example: Displaying the navigation command list

1. Push **<INFO>**.

2. Highlight [Voice Recognition] and push **<ENTER>**.

3. Highlight [Command List] and push **<EN-TER>**.

4. Highlight [Navigation] and push **<ENTER>**.
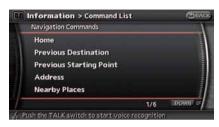
5. Highlight the preferred item and push **<ENTER>**.

Available items

- Navigation Commands

- Phone Commands

- Audio Commands

- Vehicle Information Commands

- Climate Commands

6. You can confirm the list by scrolling the screen using the center dial.

7. Press **<BACK>** to return to the previous screen.

Command List

INFO:

The voice command description in this manual can be expressed in various ways. Different phrases are available depending on the conditions of each command.
Words that are not in brackets or parenthesis must be spoken. Words identified by a slash inside parenthesis (/) indicate alternatives, one of which must be spoken.
Variable items, such as phone numbers, are indicated in italics within the **< >** symbols.

Navigation Command:

Destination	Command	Action
	Home	Sets a route to your home that is stored in the Address Book.
	Address Book	Sets a route to a location stored in the Address Book.
	Nearby Places	Sets a route to a facility near the current vehicle location.
	Previous Destinations	Sets a route to a previous destination.
	Previous Start Point	Sets a route to a previous start point.

Search	Command	Action
	Address	Searches for a location by the street address specified, and sets a route (for continental US only).

Map	Command	Action
	Show Current Location	Displays the current location map screen.
	Landmark Icons	Displays all the landmark icons.
	Planview map	Displays the map in Plan View.
	Birdview map	Displays the map in Birdview^{TM}.
	Planview Split Map	Displays the map in Split (Plan View).
	Birdview Split Map	Displays the map in Split (Birdview^{TM}).
	North Up	Sets the orientation of the map to North Up.
	Heading Up	Sets the orientation of the map to Heading Up.
	Zoom In	Zooms the map in.
	Zoom Out	Zooms the map out.

Route	Command	Action
	Fastest Route	Sets the route search condition to Fastest Route.
	Minimize Freeway	Sets the route search condition to Minimize Freeway.
	Shortest Route	Sets the route search condition to Shortest Route.
	Cancel Route	Cancels the route setting.
	Detour	Calculates a detour.
	Route Information	Displays the route information.
	Recalculate	Recalculates a route.

Others	Command	Action
	Traffic Info.	Turn on/off the traffic information system.
	Guidance Voice	Turns on voice guidance.
	Store Location	Stores a current location.
	Guidance Voice Repeat	Repeats voice guidance once.

Phone Commands:

Phone	Command	Action
	Phone Redial	Redials the phone number last dialed.
	Phone Dial	Dials the phone number given in the command.
	Phonebook	Shows the first page of the "Phonebook" list.
	Outgoing Calls	Shows the outgoing call history (1 to 5).
	Incoming Calls	Shows the incoming call history (1 to 5).
	International Call	Makes an international call by allowing more than 10 digits to be spoken.

Audio Commands:

Music Box	Command	Action
	Music Box	Turns on the "Music Box" hard-disk drive audio system.

Radio	Command	Action
	Radio	Turns the radio on, selecting the station and band last played.
	Radio AM	Turns to the AM band, selecting the station last played.
	Radio FM	Turns to the FM band, selecting the station last played.

Satellite	Command	Action
	Satellite Radio	Turns the SAT radio on, selecting the station and band last played.

CD	Command	Action
	CD	Starts to play a CD.

Audio	Command	Action
	Audio OFF	Turns the audio system off.

iPod	Command	Action
	iPod	Turns the iPod system off.

Vehicle Information Commands:

Vehicle	Command	Action
	Traffic Info.	Turns the traffic information system ON and OFF.
	Fuel Economy	Displays the Fuel Economy screen.
	Tire Pressure	Displays the Tire Pressure screen.
	Maintenance	Displays the Maintenance screen.

Climate Commands:

Climate	Command	Action
	Climate Control	Turns the climate control system on and operates it in the AUTO mode.
	Climate Control OFF	Turns the climate control system off.

Help Command:

Others	Command	Action
	Help	Displays the command list.

Confirming how to use voice commands

You can confirm how to use voice commands by accessing a simplified User Guide, which contains basic instructions and tutorials for several voice commands.

1. Push **<INFO>**.

2. Highlight [Voice Recognition] and push **<ENTER>**.

3. Highlight [User Guide] and push **<ENTER>**.

4. Highlight the preferred item and push **<ENTER>**.

Available items

● Getting Started:
  Describes the basics of how to operate the voice recognition system.

● Using the Address Book:
  Tutorial for setting a destination by the Address Book.

● Finding a Street Address:
  Tutorial for entering a destination by street address.

● Placing Calls:
  Tutorial for marking a phone call by voice command operation.

● Help on Speaking:
  Displays the useful tips of speaking for correct command recognition by the system.

● Voice Recognition Settings:
  Describes the available voice recognition settings.

● Adapting the System to Your Voice:
  Tutorial adapting the system to your voice.

Getting Started:

Before using the voice recognition system for the first time, you can confirm how to use commands by viewing the Getting Started section of the User Guide.

1. Highlight [Getting Started] and push **<ENTER>**.

2. You can confirm the page by scrolling the screen using the center dial.

Tutorials on the operation of the voice recognition system:

If you choose [Using the Address Book], [Finding a Street Address] or [Placing Calls], you can view tutorials on how to perform these operations using voice recognition.

Example: With [Using the Address Book] selected

1. Highlight [Using the Address Book] and push **<ENTER>**. The tutorial starts.
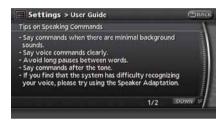
2. The voice guide informs you about how to speak when giving commands.

3. When the tutorial is completed, the system automatically switches to the Menu screen.

Useful tips for correct operation:

You can display useful speaking tips to help the system recognize your voice commands correctly.

1. Highlight [Help on Speaking] and push **<ENTER>**.

2. You can confirm the page by scrolling the screen using the center dial.

Voice recognition settings:

The settings for easy operation of the voice recognition system are displayed.

1. Highlight [Voice Recognition Settings] and push **<ENTER>**.

2. You can confirm the page by scrolling the screen using the center dial.

Adapting the System to Your Voice:

The voice recognition system is equipped with a learning function to adapt to the user's voice for better recognition. You can confirm how to operate the learning function through this tutorial.

1. Highlight [Adapting the System to Your Voice] and push **<ENTER>**. The tutorial starts.

2. The voice guide demonstrates the steps that you will have to perform.

3. When the tutorial is completed, the system automatically switches to the Menu screen.

USING THE SYSTEM

Initialization

When the ignition switch is pushed to the ON position, NISSAN Voice Recognition is initialized, which takes a few seconds. When completed, the system is ready to accept voice commands. If **<TALK>** is pushed before the initialization completes, the display will show the message: "Phonetic data downloaded. Please wait."

BEFORE STARTING

To get the best recognition performance out of NISSAN Voice Recognition, observe the following:

- The interior of the vehicle should be as quiet as possible. Close the windows to eliminate the surrounding noises (traffic noise and vibration sounds, etc.), which may prevent the system from correctly recognizing the voice commands.

- Wait until the tone sounds before speaking a command.

- Speak in a natural conversational voice without pausing between words.

- If the air conditioner is set to "Auto", the fan speed is automatically lowered so that your commands can be recognized more easily.

GIVING VOICE COMMANDS

1. Push **<TALK>** located on the steering switch.

2. A list of commands appears on the screen, and the system announces, "Please say a command".

3. After the tone sounds and the icon on the screen changes from [🖹] to [🖳], speak a command.

Operating tips

- If the command is not recognized, the system announces, "Please say again". Repeat the command in a clear voice.

- Push **<TALK>** once to return to the previous screen.

- If you want to cancel the command, push and hold **<TALK>**. The message, "Voice cancelled" will be announced.

- When you do not say a command, the system pauses the operation. Push **<TALK>** to restart the operation.

- If you want to adjust the volume of the system feedback, push the volume control buttons [+] or [−] on the steering switch or use the audio system volume knob while the system is making an announcement.

How to speak numbers

NISSAN Voice Recognition requires a certain way to speak numbers when giving voice commands. Refer to the following examples.

General rule:

Only single digits 0 (zero) to 9 can be used. (For example, if you would like to say 500, "five zero zero" can be used, but "five hundred" cannot.

Examples:

1-800-662-6200

"One eight zero zero six six two six two zero zero"

Improving Recognition of Phone numbers:

You can improve the recognition of phone numbers by saying the phone number in 3 groups of numbers. For example, when you try to call 800-662-6200, say "Eight Zero Zero" first, and the system will then ask you for the next three digits. Then, say "Six Six Two". After recognition, the system will then ask for the last 4 digits. Say, "Six Two Zero Zero". Using this method of phone digit entry can improve recognition performance.

ℹ️ **INFO:**

When speaking a house number, speak the number "0" as "zero". If the letter "O" is included in the house number, it will not be recognized as the number "0" even if you speak "oh" instead of "zero".

Reason:

You can only say zero for "0". You can say zero or Oh for "o".

SYSTEM FEEDBACK ANNOUNCEMENT MODES

You can select two modes, long or short, for the announcement by the system.

1. Push **<SETTING>**.

2. Highlight [Others] and push **<ENTER>**.

3. Highlight [Voice Recognition] and push **<ENTER>**.

4. Highlight [Minimize Voice Feedback] and push **<ENTER>**. The indicator illuminates, and the system announcement mode switches to the short mode.

5. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

SETTING THE ALTERNATE COMMAND MODE

This mode enables the operation of the display, audio and climate control through Voice Recognition. When this mode is active, an expanded list of commands can be spoken after pushing **<TALK>**, and the voice command menu prompts are turned off. Please note that in this mode the recognition success rate may be affected because the number of available commands and ways of speaking each command are increased.

You can turn this mode ON or OFF.

1. Push **<SETTING>**.

2. Highlight [Others] and push **<ENTER>**.

3. Highlight [Voice Recognition] and push **<ENTER>**.

4. Highlight [Alternate Command Mode] and push **<ENTER>**. The indicator illuminates, and Alternate command mode switches to ON.

5. Push **<BACK>** to return to the previous screen. Push **<MAP>** to return to the current location map screen.

VOICE COMMAND LEARNING FUNCTION

The voice recognition system has a function to learn the user's voice for better voice recognition performance.
The system can memorize the voices of up to three persons.

Having the system learn the user's voice

1. Push **<SETTING>**.

2. Highlight [Others] and push **<ENTER>**.

3. Highlight [Voice Recognition] and push **<ENTER>**.

4. Highlight [Speaker Adaptation] and push **<ENTER>**.

5. Select the user whose voice is memorized by the system, and push **<ENTER>**.

6. Select the voice command category to be learned by the system, and push **<ENTER>**. The voice command category list is displayed.

7. Select the voice command to be learned by the system, and push **<ENTER>**. The voice recognition system starts.

8. The system announces, "Please say a command".

9. After the tone sounds and the icon on the screen changes from [ ] to [ ], speak a command.

10. When the system has recognized the voice command, the voice of the user is learned. Push **<BACK>** once to return to the previous screen.

INFO:

With [Continuous Learning] set to on, the system does not go back to the command list screen, allowing you to continue voice command learning by the system.

11. If the system has learned the command correctly, the voice command indicator on the screen illuminates.

Editing registered items

You can edit user names and select learning function settings.

1. Push **<SETTING>**.

2. Highlight [Others] and push **<ENTER>**.

3. Highlight [Voice Recognition] and push **<ENTER>**.

4. Highlight [Speaker Adaptation] and push **<ENTER>**.

5. Select the user whose settings you desire to edit, and push **<ENTER>**.

6. Highlight [Setting] and push **<ENTER>**.

7. Select the user whose settings you desire to edit, and push **<ENTER>**.

Setting items

● Edit Name:
Allows you to edit the user name.

● Store Result:
With this set to on, the voice recognition system can easily recognize the user's voice it has learned.

● Reset Result:
Allows you to reset the user voice that the voice recognition system has learned.

● Continuous Learning:
Allows you to have the system learn the voice commands of the user in succession, without selecting commands one by one.

VOICE COMMAND EXAMPLES

To use the voice recognition function, speaking one command is sometimes sufficient, but at other times it is necessary to speak two or more commands. As examples, some additional basic operations by voice commands are described here.

Example 1: Switching the map to the Plan View mode

1. Push **<TALK>** located on the steering switch.

2. The system announces, "Please say a command".

3. After the tone sounds and the icon on the screen changes from [🖹] to [🖹], speak "Plan View Map".

4. Voice feedback will be provided when the command is accepted, and the map is displayed in Plan View.

Example 2: Setting a destination using a nearby place

1. Push **<TALK>** located on the steering switch.

2. The system announces, "Please say a command".

3. After the tone sounds and the icon on the screen changes from [🔲] to [🔲], speak "Places".

4. Voice feedback will be provided when the command is accepted, and the list of POI categories appears.

5. After the tone sounds and the icon on the screen changes again, speak "Two".

6. If a route is already set, choose "Along Route" or "Nearby".

7. After the tone sounds and the icon on the screen changes again, speak "Along Route".

8. Voice feedback will be provided when the command is accepted, and the list of Points of Interest in the category specified in the previous step appears.

9. After the tone sounds and the icon on the screen changes again, speak "Two".

10. Voice feedback will be provided when the command is accepted, and the system starts calculating a route to the selected facility.

Example 3: Setting a destination by a street address

1. Push **<TALK>** located on the steering switch.

2. The system announces, "Please say a command".

3. Speak "Address".

4. Speak the name of the state, "California".

5. Speak the name of the city, "Gardena".

6. Speak the name of the street, "South figueroa street".

INFO:

Only the official street names stored in the map data can be recognized by the system. You need to speak the street name precisely including boulevard, way, north, south, etc. In this case, you cannot speak "Figueroa street" or "Figueroa".

7. Voice feedback will be provided when the command is accepted, and the list of street names appears.

8. After the tone sounds and the icon on the screen changes again, speak "One".

9. Speak the house number.
   ☞ "How to speak numbers" page 8-5

INFO:

If you do not know the house number, speak "No house number".

10. To confirm the destination location on the map, speak "Show map". To calculate a route, speak "Calculate route".

9 Multi function meter

ABOUT MULTI FUNCTION METER

The multi function meter allows you to see the vehicle status and the results of driving operation.

SAFETY NOTES

For your driving safety please read the following warnings.

⚠️ **WARNING**

- **Use the information from the multi function meter strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road condition, etc.). Always obey all traffic regulations and posted speed limits.**

- **Operating the multi function meter while driving can lead to a crash resulting in serious injuries or death. Always park the vehicle in a safe place before operating the display screen.**

- **Look at the display screen only briefly while driving. Keep your eyes on the road. Inattentive driving may lead to a crash resulting in serious injuries or death.**

INFO:

- The information displayed on the multi function meter is for reference purposes only. Due to road conditions and temperature, the information displayed by the system may vary from actual driving conditions.

- You can select the units that the multi function meter displays.
  "LANGUAGE AND UNIT SETTINGS" page 7-7

MULTI FUNCTION METER LIST

The following information can be displayed on the multi function meter.

Performance and vehicle information

The driver can select up to six different meters to be displayed.

Information for improving driving smoothness

> ⚠ **WARNING**
>
> **Use the information from the multi function meter strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road condition, etc.). Always obey all traffic regulations and posted speed limits.**

Acceleration:

Displays the accelerator pedal position, boost pressure and the g-force being exerted on the vehicle.

Braking:

Displays the brake pedal position, vehicle speed and the g-force being exerted on the vehicle.

Steering:

Displays the steering angle, vehicle speed and the g-force being exerted on the vehicle.

Information for fuel economy improvement

Gear position:

Displays the gear position, vehicle speed and each gear's fuel economy level/torque map.

Fuel economy:

Displays the fuel economy information.

Trip calculator

Stopwatch:

Displays the recorded driving time, vehicle speed and elapsed time and saves the history for each of these functions.

Driver's notes:

Displays the driving history (waypoints passed), remaining fuel/estimated cruising range (Distance to empty) and the distance driven.

BASIC OPERATION

Information displayed on the multi function meter display will differ depending on your intended use of the display. You can choose to select the meters that best suit your needs.

HOW TO VIEW THE FUNCTION METER SCREEN

The vehicle's display is divided into different panels that display vehicle information.

Screen information

1 Large panel:
Displays the vehicle information meter display, digital display and gauge display. This feature is only available in the 3-panel display mode. Touch the panel to select another meter to display.
☞ "PERFORMANCE AND VEHICLE IN-FORMATION PANEL" page 9-10

2 Small panel:
This display is simpler than the large display. Touch the panel to select another meter to display.
☞ "PERFORMANCE AND VEHICLE IN-FORMATION PANEL" page 9-10

3 Screen number:
This number or letter identifies the screen that you are currently viewing. Touch the screen number to display the corresponding screen.
☞ "Select using touch panel" page 9-8

4 Screen switching:
Scrolls through the screens. Touch ◀ to return to the previous screen. Touch ▶ to proceed to the next screen.
☞ "Select using touch panel" page 9-8

5 Screen title:
Displays the title of the screen currently displayed.

HOW TO SWITCH SCREENS

Operate the center dial or the touch panel to select the screens that you would like to display on the multi function meter screen.

Selecting screen using center dial

Turn the center dial and touch the screen that you would like to display. The color of the page you have chosen will change, and the multi function meter screen will be displayed.

Selecting screen using touch panel
Selecting screen by number:

Select the screen that you would like to display. The multi function meter screen you selected will appear.

Selecting screen by scrolling through screens:

Touch ◀ or ▶. With each touch, the screens will scroll through in order.

◀ : The previous screen will be displayed.

▶ : The next screen will be displayed.

CUSTOM VIEW SCREEN

This screen allows you to display the performance and vehicle information, as needed, in order for you to use your vehicle under optimum conditions. You can display several vehicle information panels at once. Each panel displays digital gauges in the screen area.

SELECTING PANEL

Select the panel you would like to display and then place it where you would like it to be displayed. You can configure the screen to display between 1 and 4 custom view panels.

Select using center dial

1. Display the panel you would to change and push **<ENTER>**. The panel display will change.

2. Select the panel you would like to change and push **<ENTER>**. The meter selection screen will be displayed.

3. Select the item you would like to display and push **<ENTER>**. The displayed panel will change.

Select using touch panel

CUSTOM VIEW 1

1. Touch the screen number you would like to change.

CUSTOM VIEW 2

2. Touch the panel you would like to change. The meter selection screen will be displayed.

3. Touch the item you would like to display. The displayed panel will change.

Panel list

There is a difference between the items that you can select as large or small panels.

No.	Item	Large panel	Small panel
1	Engine Coolant Temperature	○	○
2	Engine Oil Temperature	○	○
3	Engine Oil Pressure	○	○
4	Transmission Oil Temperature	○	○
5	Transmission Oil Pressure	○	○
6	Boost	○	○
7	Speed	—	○
8	Fuel/Range	○	○
9	Fuel Flow	○	○
10	Recent Fuel Economy	○	○
11	Torque split	—	○
12	Accel pedal	—	○
13	Brake pedal	—	○
14	Steering	—	○
15	Cornering g-force	○	○
16	Accel/Braking g-force	○	○
17	Total g-force	○	○
18	Clock	—	○
19	Reset the CUSTOM VIEW #(1-4) to Default	○	○

INFO:

- Each panel selected will be saved

- Panels will remain saved in the system even after the engine is turned off.

- Two of the same panels cannot be displayed at the same time.

- Two of the same panels of different sizes cannot be displayed at the same time.

- Panels that have not been assigned a display item remain empty.

Initializing display

The modified display will return to the screen that was first configured.

1. Display the screen you would like to initialize and push **<ENTER>**.

2. Select the panel and push **<ENTER>**.

3. Highlight [Reset the CUSTOM VIEW 1 to Default] and push **<ENTER>**.

INFO:

When operating the touch panel to initialize the display, the same procedure used to select a meter is performed.

☞ "Select using touch panel" page 9-8

PERFORMANCE AND VEHICLE INFORMATION PANEL

The appearance of each panel varies. The way that large panels and small panels are displayed also differs, even when the same mechanical information is displayed.

Engine coolant temperature

Displays the temperature of the engine coolant.

Large panel screen

Small panel screen

INFO:

- When this meter displays in red, reduce the operating speed of the engine (RPMs) and drive at a reduced speed.

- Driving while the engine coolant temperature is high may cause engine damage.

- When screens other than the FUNCTION screen are displayed, the screen will not change, even if the meter values register red zone readings.

Engine oil temperature

Displays the engine oil temperature reading.

Large panel screen

Small panel screen

ℹ️ **INFO:**

● When this meter displays in red, reduce the operating speed of the engine (RPMs) and drive at a reduced speed.

● Driving while the engine oil temperature is high may cause engine damage.

● When screens other than the FUNCTION screen are displayed, the screen will not change, even if the meter values register red zone readings.

Engine oil pressure

Displays the engine oil pressure. The reading on this dial will change based on the engine speed (RPM) and oil temperature.

Large panel screen

Small panel screen

Transmission oil temperature

Displays the transmission oil temperature.

Large panel screen

Small panel screen

INFO:

- When this meter displays in red, reduce the vehicle speed and drive at a reduced speed.

- Driving while the transmission oil temperature is high may cause transmission damage.

- After first starting the engine, it may take a short period of time for the oil pressure to stabilize. This is not a malfunction.

- When screens other than the FUNCTION screen are displayed, the screen will not change, even if the meter values register red zone readings.

Transmission oil pressure

Displays the transmission oil pressure.

Large panel screen

Small panel screen

- The oil pressure gauge may momentarily have a high reading, but this is a result of oil pressure suppression and does not indicate a malfunction.

- If the meter reads red frequently, have your vehicle inspected at a GT-R certified NISSAN dealer.

- When screens other than the FUNCTION screen are displayed, the screen will not change, even if the meter values register red zone readings.

Boost

Displays engine charging pressure.

Large panel screen

Small panel screen

Speed

Displays the vehicle speed. This can only be displayed as a small panel.

Small panel screen

Fuel/Range

Display the amount of fuel remaining and the estimated cruising range.

Large panel screen

Small panel screen

Fuel flow

Displays the amount of fuel injected into the engine by the fuel injector.

Large panel screen

Small panel screen

Recent fuel economy

In the large panel, this meter displays the timeline of fuel consumption for each minute over the past twenty minutes. In the small panel, this meter displays fuel consumption readings over the past twenty seconds.

Large panel screen

Small panel screen

INFO:

- The small panel will display "-.-":
  — when the vehicle is stopped
  — for the first few moments of driving
- The large panel will not display a graph while the vehicle is stopped.

Torque split

Displays the amount of forward distributed torque. This can only be displayed as a small panel.

Small panel screen

INFO:

Driving over a seam in the road may add front torque, but this is not an anomaly.

Accel pedal

Displays the accelerator pedal position. This can only be displayed as a small panel.

Small panel screen

Brake pedal

Displays the brake pedal position. This can only be displayed as a small panel.

Small panel screen

ℹ️ **INFO:**

The reading that the brake meter displays when the pedal is being depressed may vary, depending on the vehicle speed and road conditions. The brake meter may not display a reading of "100%" even when the brake is being fully depressed. This is not a malfunction.

Steering

Displays the steering angle. This can only be displayed as a small panel.

Small panel screen

ℹ️ **INFO:**

The amount of g-force exerted on the vehicle, and displayed on the meter, will vary depending on the driving speed.

Cornering G

Displays the lateral g-force exerted on the vehicle. In the large panel, this meter displays readings for the past 20 seconds. In the small panel, this meter displays the lateral g-force being exerted on the vehicle at the time of the reading. When turning to the left, the resulting g-force is displayed on the right side of the screen. When turning to the right, the resulting g-force is displayed on the left side of the screen. The red zone readings are configured to function as a guide for smooth driving.

⚠️ **WARNING**

- **Use the information from the multi function meter strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road condition, etc.). Always obey all traffic regulations and posted speed limits.**

- **Red zone readings are configured to function only as a guide for smooth driving. The readings are not intended to prevent accidents caused by reckless driving.**

Large panel screen

Small panel screen

INFO:

- Due to the slope of a road, this meter may register g-force even when the vehicle is stopped. This is not a malfunction.

- When the VDC or the ABS is activated, a mark will appear on the far left side of the panel (large panel only).

- The scale of the readout is adjusted automatically to accommodate readings that exceed the upper limit of the meter.

Accel/Braking G

Displays the fore/aft g-force exerted on the vehicle. In the large panel, this meter displays readings for the past 20 seconds. In the small panel, this meter displays fore/aft g-force being exerted on the vehicle at the time of the reading. When accelerating, the resulting g-force is displayed at the top of the panel. When decelerating, the resulting g-force is displayed at the bottom of the panel. The red zone readings are configured to function as a guide for smooth driving.

⚠ WARNING

- **Use the information from the multi function meter strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road condition, etc.). Always obey all traffic regulations and posted speed limits.**

- **Red zone readings are configured to function only as a guide for smooth driving. The readings are not intended to prevent accidents caused by reckless driving.**

Large panel screen

Small panel screen

INFO:

- Due to the slope of a road, this meter may register g-force even when the vehicle is stopped. This is not a malfunction.

- When the VDC or the ABS is activated, a mark will appear on the far left side of the panel (large panel only).

- The scale of the readout is adjusted automatically to accommodate readings that exceed the upper limit of the meter.

Total g-force

Displays the total combined g-force exerted on the vehicle. In the large panel, this meter displays readings for the past 20 seconds. In the small panel, this meter displays the total combined g-force being exerted on the vehicle at the time of the reading. The red zone readings are configured to function as a guide for smooth driving.

⚠ **WARNING**

- **Use the information from the multi function meter strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road condition, etc.). Always obey all traffic regulations and posted speed limits.**

- **Red zone readings are configured to function only as a guide for smooth driving. The readings are not intended to prevent accidents caused by reckless driving.**

Large panel screen

Small panel screen

INFO:

- Due to the slope of a road, this meter may register g-force even when the vehicle is stopped. This is not a malfunction.

- When the VDC or the ABS is activated, a mark will appear on the far left side of the panel (large panel only).

- The scale of the readout is adjusted automatically to accommodate readings that exceed the upper limit of the meter.

Clock

Displays the current time. This can only be displayed as a small panel.

Small panel screen

INFO:

- The displayed clock time is set by the GPS system.

- The clock time may not be displayed on the screen when the system is not receiving a GPS signal, even when the system is set to display the time.

- You can choose to display the clock in the 12-hour/24-hour format.
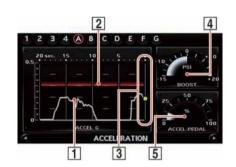
DRIVING SUPPORT SCREEN

ACCELERATION SCREEN

The acceleration screen displays the results of how the vehicle behaves based on the manner in which you operate the vehicle. The information displayed is for confirmation purposes. The results of how you use the accelerator pedal can be displayed as an acceleration g-force timeline. You can use this information to improve your operation of the accelerator pedal.

⚠ WARNING

- **Use the information from the multi function meter strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road condition, etc.). Always obey all traffic regulations and posted speed limits.**
- **Red zone readings are configured to function only as a guide for smooth driving. The readings are not intended to prevent accidents caused by reckless driving.**

How to view screen

1 ACCEL G (timeline graph):
Displays the direction of acceleration exerted on the vehicle. The vertical readout illustrates the progress of acceleration and the horizontal readout tracks the acceleration timeline of the past 20 seconds.

2 Red zone display:
The color of the graph will change when the vehicle accelerates beyond a preset level of g-force.

3 G-meter:
Displays the g-force currently being exerted on the vehicle.

4 BOOST:
Displays the engine charger pressure.

5 ACCEL PEDAL:
Displays the accelerator pedal position.

ℹ INFO:

- This panel only displays acceleration information when the vehicle is accelerating. It does not display any acceleration information when the vehicle is decelerating.
- Due to the slope of a road, this meter may register g-force even when the vehicle is stopped. This is not a malfunction.
- When the VDC or the ABS is activated, a mark will appear on the far left of the panel (large panel only).
- The scale of the readout is adjusted automatically to accommodate readings that exceed the upper limit of the meter.

Using result screens to improve driving

This section explains how to use the driving timeline screens. Use this information to make your driving smoother.

INFO:

The criteria for smooth driving may vary depending on road conditions. Use this information for reference purposes only.

Timeline and driving that show smooth operation of accelerator pedal:

1 Depressing the accelerator pedal slowly and smoothly will result in a smoothly rising line.

2 When depressing the accelerator gradually, the angle of the line slopes gently upwards.

3 As you bring the vehicle to a constant speed by slowly stabilizing the angle of the accelerator pedal, the acceleration panel will display this as a gradually leveling horizontal line.

Displaying timeline of quick and sudden acceleration and driving:

1 Quickly depressing the accelerator pedal will result in a steep climbing line.

2 When the accelerator is being depressed quickly, the angle of the line slopes upwards at a steep angle.

3 Releasing the accelerator pedal quickly will result in a pointed line

4 Here the accelerator is being depressed and released repeatedly. The resulting line displayed appears wavy. Repeatedly depressing and releasing the accelerator pedal will result in a wavy line.

BRAKING SCREEN

The braking screen displays the results of how the vehicle behaves based on the manner in which the driver operates the vehicle. The information displayed is for confirmation purposes. The results of how the brake pedal is used are displayed as a timeline of g-force exerted on the vehicle during deceleration. Use the information to improve your operation of the brake pedal.

> ⚠️ **WARNING**
>
> ● **Use the information from the multi function meter strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road condition, etc.). Always obey all traffic regulations and posted speed limits.**
>
> ● **Red zone readings are configured to function only as a guide for smooth driving. The readings are not intended to prevent accidents caused by reckless driving.**

How to view the screen

1 BRAKE G (timeline graph):
Displays the direction of deceleration of the g-force being exerted on the vehicle. The vertical readout illustrates the progress of acceleration and the horizontal readout tracks the deceleration timeline of the past 20 seconds.

2 Red zone display:
The color of the graph will change when the level of g-force exerted on the vehicle while decelerating exceeds a preset level.

3 G-meter:
Displays the g-force currently being exerted due on the vehicle due to deceleration.

4 SPEED:
Displays the current driving speed.

5 BRAKE PEDAL:
Displays the brake pedal position.

> ℹ️ **INFO:**
>
> ● The reading that the brake meter displays when the pedal is being depressed may vary, depending on the vehicle speed and road conditions. The brake meter may not display a reading of "100%" even when the brake is being fully depressed. This is not a malfunction.
>
> ● This panel only displays acceleration information when the vehicle is accelerating. It does not display any acceleration information when the vehicle is decelerating.
>
> ● Due to the slope of a road, this meter may register g-force even when the vehicle is stopped. This is not a malfunction.
>
> ● When the VDC or the ABS is activated, a mark will appear on the far left side of the panel (large panel only).
>
> ● The scale of the readout is adjusted automatically to accommodate readings that exceed the upper limit of the meter.

Using result screens to improve driving

This section explains how to use the driving timeline screens. Use this information to make your driving smoother.

INFO:

The criteria for smooth driving may vary depending on road conditions. Use this information for reference purposes only.

Timeline and driving that show smooth operation of brake pedal:

1. Depressing the brake pedal slowly and smoothly will result in a smoothly dropping line.

2. By gradually depressing the brake pedal, the angle of the line slopes gently downwards.

3. Slowly releasing the brake pedal results in a stable deceleration. The timeline display gradually becomes a straight horizontal line.

4. When you release the brake pedal slowly, the line of the braking panel slopes gently upwards.

Timeline and driving that show sudden operation of brake pedal:
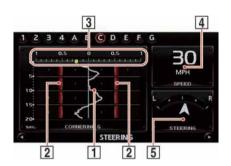
1. Because the brake pedal is being depressed quickly, the angle of the line drops off at a steep angle.

2. Quick application the brake pedal results in a steep dropping line.

3. When the brake pedal is repeatedly depressed and released, the resulting line appears wavy.

4. Because the brake pedal was depressed quickly the vehicle stopped abruptly. The graph becomes perpendicular to the time scale.

STEERING SCREEN

The steering screen allows you to confirm how the vehicle responds to your driving by displaying the results of how you operate the vehicle. The results of your driving are displayed as a timeline of the g-force exerted on the vehicle. Use the displayed information to improve your steering smoothness.

> ⚠ **WARNING**
>
> - **Use the information from the multi function meter strictly as a reference to make your driving more comfortable. The readings are not meant to prevent accidents caused by reckless driving or poor driving conditions (due to weather, road condition, etc.). Always obey all traffic regulations and posted speed limits.**
> - **Red zone readings are configured to function only as a guide for smooth driving. The readings are not intended to prevent accidents caused by reckless driving.**

How to view screen

1 CORNERING G (timeline graph of lateral g-force):
Displays the lateral g-force exerted on the vehicle. The horizontal readout displays lateral g-force while the vertical readout displays a timeline of the past 20 seconds of driving. G-force exerted on the vehicle when turning left is displayed on the right side of the screen. G-force exerted on the vehicle when turning right is displayed on the left side of the screen. The g-force timeline will begin to scroll down automatically after a short period of time.

2 Red zone display:
The color of the graph will change when the level of g-force exerted on the vehicle while decelerating exceeds a preset level.

3 G-meter:
Displays the g-force currently being exerted on the vehicle due to deceleration.

4 SPEED:
Displays the current driving speed.

5 STEERING:
Displays the angle of the steering wheel.

ⓘ **INFO:**

- The extent to which the steering of the vehicle is displayed on the meter may vary depending on the vehicle speed.

- Due to the slope of a road, this meter may register g-force even when the vehicle is stopped. This is not a malfunction

- When the VDC or the ABS is activated, a mark will appear on the far left side of the panel (large panel only).

- The scale of the readout is adjusted automatically to accommodate readings that exceed the upper limit of the meter.

Using result screens to improve driving

This section explains how to use the driving timeline screens. Use this information to make your driving smoother.

INFO:

The criteria for smooth driving may vary depending on road conditions. Use this information for reference purposes only.

Timeline and driving that show smooth handling when driving through S-curve:

1 Turn the steering wheel slowly and the angle of the graph slopes gently.

2 Turning the wheel slowly through the turn will result in a smooth, curving line.

3 By turning the steering wheel slowly back to its previous position, the line on the graph timeline returns to its standard position and the vehicle stabilizes.
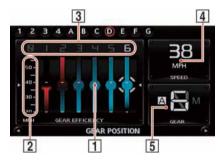
Timeline and driving that show sudden turning of steering wheel:

1 Because the wheel is turned quickly, the buildup of the line is very sudden.

2 When the wheel is turned back quickly, the resulting line appears as a point.

3 When the steering wheel is being turned in an erratic manner, the vehicle is veering abruptly. Because of this, the line on the panel fluctuates without settling.

GEAR POSITION SCREEN

The GEAR POSITION screen displays the gear you are currently in, the current speed, and the fuel economy level for each gear. This allows you to verify the best gear to use at your current driving speed. Use this panel to improve your operation of the shift lever.

How to view screen

1 GEAR EFFICIENCY (displays the fuel economy level):
Displays the current fuel economy level of each gear. The lighter the blue color displayed, the better the fuel economy will be. The lighter the red color displayed, the higher the torque will be.

2 Speedometer (vertical):
Displays the current speed. This scale changes with the speed of the vehicle.

3 Selected gear (horizontal):
Displays the currently selected gear.

4 SPEED:
Displays the current speed.

5 GEAR (gear position):
Displays gear shifting and gear position.

● Gear shifting mode: A range/ M range

● Gear position: N/P/R/1-6

INFO:

When using the M range mode, if you are unable to change to the gear that you want, the position indicator light will turn off.

Using result screens to improve driving

This section explains changing gears to suit driving conditions.

INFO:

The displayed fuel economy level for each gear is only an estimation and may differ from the actual fuel economy.

Selecting gear for fuel economy:

[1] With the most appropriate gear for fuel economy selected, for the current speed of the vehicle, the vehicle is being driven in an efficient gear.

Changing gears for engine braking or power:

[1] The best gear for driving power is selected, but in this example, it is also the least fuel efficient gear.

FUEL ECONOMY SCREEN

The FUEL ECONOMY screen allows you to verify the fuel efficiency of your driving. Use this information to make your driving more fuel efficient.

How to view screen

[1] FUEL EFFICIENCY (timeline of fuel economy):
Displays the fuel economy timeline of the past 20 minutes. The vertical readout displays the fuel economy (on a scale of 10) and the horizontal readout displays the timeline of the last 20 minutes.

2 RECENT FUEL ECON. (fuel economy over a given section):
Displays the fuel economy for the past 20 seconds while the vehicle is being driven.

3 FUEL EFFICIENCY (fuel economy level (real time)):
Displays the current fuel economy level (measured on a scale of 10). The higher this value is, the better the fuel economy level.

INFO:

Driving at a constant speed (no acceleration or deceleration) will result in improved fuel economy.

Using result screens to improve driving

This section explains how to use the timeline information confirmed from the result screens. Use this information to make your driving more fuel efficient.

INFO:

The eco driving level readings are estimations. The actual fuel economy may differ.

Timeline and driving of good fuel economy:

1 The average fuel economy level is high, indicating fuel-efficient driving.

2 The current fuel economy level is shown to be very high.

Timeline and driving of poor fuel economy:

1 The average fuel economy level is low, indicating poor fuel efficiency.

2 The current fuel economy level is low.

DRIVING RECORD SCREEN

This allows you to measure/display the timeline and waypoint history over a given time.

STOPWATCH SCREEN

With the STOP WATCH screen you can measure a segment of time or passing time. You can also display and save recorded timelines and data.

How to view screen

1 TIME LOG:
Prominently displays the current time being measured. The measured times are displayed in a list. The system can store up to 99 items in its memory.

2 Timer-on indicator:
The timer-on indicator will flash when the stopwatch function is active.

3 SPEED:
Displays the vehicle speed while driving.

4 ELAPSED TIME:
Displays the total elapsed time measured since the stopwatch function was started.

Measuring timed distance

To measure the timed distance, use **<START/ STOP>** or **<MRK>** on the steering switch.

1. With the STOP WATCH screen displayed, push **<START/STOP>**. The timer-on indicator will flash when the stopwatch function is active.

2. Each time you push **<MRK>** the displayed time will be recorded into the system and will be viewable in the list.

3. Push **<START/STOP>**. The stopwatch function will stop timing.

ℹ️ INFO:

● The STOP WATCH function can only be used when the clock is activated.

● If using the driver's notes, the STOP WATCH function is unavailable. To use the STOP WATCH function, first finish using the driver's notes.

● If the ignition is in the OFF position, you will not be able to user the STOP WATCH function.

● If the ignition is put into the ACC or the OFF position while using the timer, timing will end.

● The timer will continue timing while you display other screens until you push **<START/STOP>**.

● The maximum time that the system timer can display is a recorded time of up to 9 hours 59 minutes and 59.99 seconds.

● When timing has finished, the upper timer will reset to 00:00.0

● When the recorded time and the finished recording time are displayed, they temporarily interrupt the time recorder display and are displayed in large numbers. The recorded time will disappear automatically after 5-10 seconds.

● When screens other than the multi function meter are displayed, the STOP WATCH screen will not interrupt the display.

Checking timed distance list

You can review the list of past measured times.

1. Select [TIME LOG]. The list screen will be displayed.

2. Select the record you would like to display. The menu screen will be displayed.

3. Select [Time Recorder data Details]. The details of the selected record will be displayed.

ℹ️ **INFO:**

You can use either the center dial or the touch panel to scroll through the list.

Saving to CF card

You can save the time records saved in the system onto a CF card.

1. Insert the CF card in the media slot.

2. Select [TIME LOG]. The list screen will be displayed.

3. Select the record you would like to display. The menu screen will be displayed.

4. Select [Transfer Time Recorder data to Compact Flash]. The time record is saved to the CF-card.

NOTICE

Inserting objects other than a CF card into the CF-slot can cause damage. Do not insert anything other than a CF-card into the CF slot.

INFO:

- Time records are saved to the CF card in the CSV format.

- While records are being saved to the CF card, do not change the key position or remove the CF-card.

- To save all records to the CF card, select [Transfer All Time Recorder data to CF Card].

Deleting records

Use the following procedure to delete time records saved in the system.

1. Select [TIME LOG]. The list screen will be displayed.

2. Select the record you would like to display. The menu screen will be displayed.

3. Select [Delete Time Recorder data]. The message screen will be displayed.

4. Select [YES]. The time record will be deleted.

INFO:

- You cannot recover deleted records.

- To delete all records select [Delete All Time Recorder data].

DRIVER'S NOTES SCREEN

You can record the waypoints that you pass using the DRIVER'S NOTES screen.

How to view screen

1̲ MARK LIST (waypoint list):
Displays a list of waypoints saved automatically or manually.

2̲ Timer indicator:
Flashes while the timer is operating.

3̲ FUEL/RANGE:
Displays the amount of fuel and the distance the vehicle can travel on the remaining fuel

4̲ TRIP DISTANCE:
Displays the driving time measured starting from when the Driver's notes function was activated.

NOTICE

Even when the cruising distance displays that the vehicle has a sufficient amount of fuel to travel a given distance, when the fuel indicator approaches E (empty), or the fuel warning light illuminates, be sure to fuel your vehicle.

Timing waypoints

To measure a waypoint, use **<START/STOP>** or **<MRK>** on the steering switch.

1. With the DRIVER'S NOTES screen displayed, push **<START/STOP>**. The DRIVER'S NOTES function will activate, and the timer indicator will flash.

2. Pass the waypoint. The waypoint will be automatically recorded and will be displayed in the list.

3. Push **<MRK>**. The waypoint will be displayed in the list when **<MRK>** is pushed.

4. Push **<START/STOP>**. The DRIVER'S NOTES function will end.

The waypoint will be displayed as described below:

- The name of the waypoint that was selected when **<MRK>** was pushed
- State line/provincial border (name of state/province entered)
- Point where the name of the road changed
- Place where the vehicle was put in P (park)

INFO:

- The STOP WATCH function can only be used when the clock is activated.
- When the STOP WATCH function is activated, you cannot use the waypoint timer. This is the waypoint timer after use of the STOP WATCH function is completed.
- Even if you stop the engine, when RESUME is set to ON, the timer will not reset and you will be able to continue timing your travel.
- If a roadway with a long name has been recorded as a waypoint, the city and state/province names may not be displayed.
- If a place name that is not contained in the map data is recorded as a waypoint, the waypoint will be displayed by longitude and latitude.
- Town/city/state/province names configured in region settings will only be displayed on the Destination screen for regions in which the vehicle is located.

About Driver's notes icon:

🟢 : Ordinary road

When your vehicle enters a road, the name of the road is recorded.

🔴 : Toll road

When your vehicle enters a toll road, the name of the road is recorded.

⚪ : U.S. highways

When your vehicle enters a U.S. highways, the name of the road is recorded.

🔵 : Freeway

When your vehicle enters a freeway, the name of the freeway is recorded.

🅿 : Parking

When the shift lever is put into the P position, the vehicle's current location is recorded.

✓ : Check point

When **<MRK>** is pushed, the vehicle's current location is recorded.

🚩 : Start point

When **<START/STOP>** is pushed to start the Drivers Notes function, the vehicle's current location is recorded.

🏁 : Destination

When **<START/STOP>** is pushed to end the Drivers Notes function, the vehicle's current location is recorded.

Confirming list of waypoints

You can review the list of past trips you have made.

1. Select [MARK LIST]. The list screen will be displayed.

2. Select the record you would like to display. The menu screen will be displayed.

3. Select [Driver's Notes data Details]. The details of the selected record will be displayed.

INFO:

You can use either the center dial or the touch panel to scroll through the list.

Deleting records

This allows you to delete waypoint records that are saved in the system.

1. Select [MARK LIST]. The list screen will be displayed.

2. Select the record you would like to display. The menu screen will be displayed.

3. Select [Delete Driver's Notes data]. The message screen will be displayed.

4. Select [YES]. The time record will be deleted.

INFO:

● You cannot recover deleted records.

● To delete all records select [Delete All Driver's Notes data].

10 General system information

ABOUT CURRENT VEHICLE LOCATION

DISPLAY OF CURRENT VEHICLE LOCATION

This navigation system combines the data obtained from the vehicle (by gyro sensor) and from GPS (Global Positioning System) satellites to calculate the current location of the vehicle. This position is then displayed throughout route guidance to a destination.

WHAT IS GPS (Global Positioning System)?

GPS is a position detecting system that uses satellites deployed by the U.S. government. This navigation system receives radio signals from three or more different satellites that orbit 13,049 miles (21,000 km) above the earth in space, and detects the position of the vehicle by utilizing the principle of triangulation.

Positioning adjustment

When the system judges that the vehicle position information is not accurate based on vehicle speed and gyro sensor data calculations, the system will automatically adjust the position of the vehicle icon using GPS signals.

Receiving signals from GPS satellites

The reception of GPS signals can be weak, depending on the environment. Vehicles in the following areas/environments may not receive GPS signals (indicator color: gray).

● Inside tunnels or parking garages

● Under multi-layered highways

● Areas with numerous tall buildings

● Under many large trees

● In a canyon

ℹ INFO:

The GPS antenna is located on the instrument panel inside the vehicle. Do not place any objects, especially mobile phones or transceivers, on the instrument panel. Because the strength of the GPS signal is approximately one billionth of that of TV waves, phones and transceivers will affect or may totally disrupt the signal.

Display of GPS information

GPS information can be displayed.

☞ "VIEWING GPS CURRENT LOCATION INFORMATION" page 6-14

<div style="text-align:center">

NOTICE
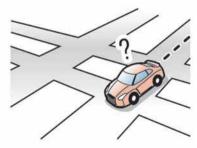
</div>

Route guidance provided by the navigation system does not take carpool lane driving into consideration, especially when carpool lanes are separated from other road lanes.

INCORRECT DISPLAY OF VEHICLE POSITION
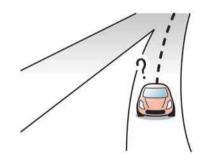
The following cases may affect the display accuracy of the vehicle's position or traveling direction. The accuracy will return to normal if the driving conditions return to normal.

● When there is a similar road nearby.
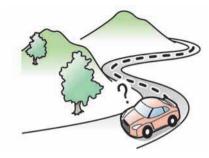
● When the vehicle is traveling in an area with a grid pattern road system.

● When the vehicle is passing through a large Y-shaped intersection/junction.

● When the vehicle is traveling on a road with repeating S-shaped curves.

● When the vehicle is on a snow-covered or unpaved road.

● When the vehicle is traveling on a continuous, slowly curving road.

● When the vehicle is on a loop bridge.

● When repeatedly turning left or right, or driving in zigzags.

● When the vehicle is rotated on a parking lot turntable while the ignition switch is off.

● When driving on a road not displayed on the map screen or a road that has been changed due to additional construction or other reasons.

● When the GPS positioning accuracy is low.

ℹ INFO:

● The vehicle icon may be misaligned when starting the vehicle just after starting the engine.

● The vehicle icon may also be misaligned if different sized tires or tire chains are installed.

● The system has a function that automatically corrects the vehicle icon position when it is misaligned from the actual position.

● Vehicle position correction by GPS may not function when the vehicle is stopped.

● If the vehicle icon position does not return to normal even after driving for a while, correct the vehicle icon position manually.

DETAILED MAP COVERAGE AREAS (MCA) FOR THE NAVIGATION SYSTEM

This system is designed to help you reach your destination, and it also performs other functions as outlined in this manual. However, you, the driver, must use the system safely and properly. Information concerning road conditions, traffic signs and the availability of services may not always be up-to-date. The system is not a substitute for safe, proper and legal driving. Map data covers select metropolitan areas in the United States.

Map data includes two types of areas: "Detailed coverage areas" providing all detailed road data and other areas showing "Main roads only".

NOTICE
Detailed map data is not available in many areas and is generally limited to select major metropolitan areas.

WHEN A GRAY ROAD IS DISPLAYED ON THE MAP

- When you are driving on a road displayed in gray after the vehicle has deviated from the suggested route during route guidance, automatic rerouting may not start immediately.

- The navigation system does not provide route guidance for roads displayed in dark green. Therefore, if the destination is set on a road displayed in dark green, the enlarged map display will return to the ordinary map screen at some point on a suggested route that is near the destination. Also, voice guidance will stop at some point on a suggested route that is near the destination.

- POI information and street names near roads displayed in gray may not be contained in the map data.

ABOUT ROUTE CALCULATION

- There may be cases that carpool lanes are included on a suggested route when the automatic rerouting function is activated, even if the "Use Time Restricted Roads" is turned off.

  ☞ "SETTING CONDITIONS FOR THE ROUTE CALCULATION" page 2-67

- The navigation system does not provide route guidance for roads displayed in dark green.

- If the destination is set on a dark green road, the enlarged map display will switch to the ordinary map screen at some point and suggest a route that is near the destination. The distance and direction to the endpoint of the suggested route will be displayed in the lower right corner of the screen. Also, at this time, voice guidance will announce, "The route to your destination includes roads through incomplete map areas. Voice guidance will not be provided in these areas".

  When approaching the endpoint of the suggested route, voice guidance will announce, "Entering the road with incomplete map data. Please use the direction arrow and distance information to proceed to your destination."

To reach your destination, refer to the map screen. Always follow actual roads and regulations and drive safely.

- The suggested route may not be the shortest, nor are other circumstances such as traffic jams considered.

- Because of the inevitable difference in road conditions and circumstances between the time you use this system and the time the information was produced for the map data, there may be discrepancies in roads and regulations. In such cases, follow the actual information available.

- During route calculation, the map will not scroll, however the vehicle icon will move with the actual vehicle's movement.

- During route calculation, buttons such as **<MAP>**, **<DEST>**, **<ZOOM OUT>** and **<ZOOM IN>** and the center dial will be disabled.

- In some cases, after the calculation is complete, the calculated route may not be immediately displayed.

- Waypoints that have been passed will be disregarded by rerouting calculation.

- If you scroll the map while the suggested route is being drawn, it may take more time to finish drawing.

- If waypoints are set, the system calculates multiple routes between waypoints simultaneously, and the following may result.
  - If one section between waypoints cannot be calculated, none of the route will be displayed.
  - The route may not connect completely at some waypoints.
  - The route may require a U-turn close to some waypoints.
- Route calculation may not be completed in the following cases.
  - If there is no main road within a range of 1.5 miles (2.5 km) from the vehicle, a message saying so will appear on the screen. Try recalculating when the vehicle is closer to a main road.
  - If there is no main road within a range of 1.5 miles (2.5 km) from the destination or waypoint, a message saying so will appear on the screen. Try setting the location closer to a main road.
  - If the vehicle is too close to the destination or if there are no roads to the destination, a message saying so will appear on the screen.
  - If it is impossible to reach the destination or waypoints because of traffic regulations, etc.

  - If the only route to reach the destination or waypoints is extremely complicated.
  - If the destination, current vehicle position or waypoint is within the "Avoid Area".
  - If a part of the route is included in the "Avoid Area".
- The following may occur when the route is displayed.
  - If you calculate a route on a main road, the starting point of the route may not exactly match the current vehicle location.
  - The endpoint of the route may not exactly match the destination.
  - If you calculate a route on a main road, the system may display a route from another main road. This may be because the position of the vehicle icon is not accurate. In this case, park the vehicle in a safe location and reset the vehicle icon, or continue driving to see if the position of the vehicle icon is automatically adjusted before recalculating the route.

  - There are cases in which the system shows an indirect route to reach the destination or waypoints, if you set them from stored or facility information. In order to correct this, you must be careful about the traffic direction, especially when lanes with different travel directions are shown separately, such as interchanges and service areas.
  - This system makes no distinction between limited traffic control and total control (blockage). It may show an indirect route even if the road is usable.
  - Even if the freeway preference is set to OFF, a route that uses the freeway may be suggested.
  - Even if the preference is set to OFF, a route that uses a ferry line may be suggested.
  - Ferry lines, excluding those that are only for pedestrians, bicycles and motorcycles, are stored in this system. Take into consideration the travel time required and operational condition before deciding whether to use them or not.

ABOUT ROUTE GUIDANCE

ℹ️ INFO:

The announcement of the street name during route guidance is available only when English is set as the language for the system. Street names are not announced if French is set for the system.

BASICS OF VOICE GUIDANCE

Voice guidance announces which direction to turn when approaching an intersection in which a turn is necessary.

NOTICE

- There may be some cases in which voice guidance and actual road conditions do not correspond. This may occur because of discrepancies between the actual road and the information on the map data, or it is due to the vehicle's speed.

- In case voice guidance does not correspond to the actual road conditions, follow the information obtained from traffic signs or notices on the road.

- Route guidance provided by the navigation system does not take carpool lane driving into consideration, especially when carpool lanes are separated from other road lanes.

DIRECTIONS PROVIDED AND THE DISTANCES TO GUIDE POINTS
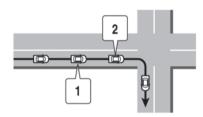
Directions will differ, depending on the road type.

ℹ️ INFO:
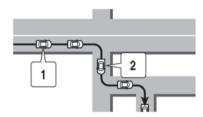
Distances may vary, depending on the vehicle speed.

Notification of an intersection on an ordinary road

1. "In about one quarter mile (400 meters), right (left) turn."

2. "Right (left) turn ahead."
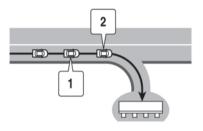
Notification of consecutive intersections on an ordinary road

When the road has three or more consecutive intersections ahead, voice guidance will announce the following.
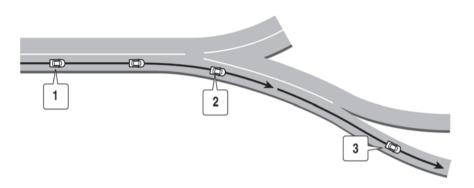
1. "In about one quarter mile (400 meters), right (left) turn, then left (right) turn."

2. "Left (right) turn ahead, then right (left) turn."

Notification of a freeway entrance
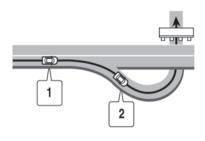
1. "In about one quarter mile (400 meters) freeway entrance on your right onto (road number and direction)."

2. "Freeway entrance on your right onto (road number and direction)."

Notification of a freeway junction

Notification of a freeway exit

1. "In about one mile (1.6 kilometers), keep to the right (left) onto (road number and direction), then in about one quarter mile (400 meters) keep to the right (left)."

2. "Keep to the right (left) onto (road number and direction), then in about one quarter mile (400 meters) keep to the right (left) onto (road number and direction)."

3. "Keep to the right (left) onto (road number and direction)."

1. "In about one mile (1.6 kilometers), exit on your right."

2. "Take the second exit on your right."

Notification when approaching the destination

Ordinary road:

When approaching the destination, voice guidance will announce, "You have arrived at your destination. Ending route guidance." To finally reach your destination, refer to the map screen.

Dark green road:

After passing the last turning point on a suggested route, voice guidance will announce, "The route to your destination includes roads through incomplete map areas. Voice guidance will not be provided in these areas." When approaching the endpoint of the suggested road, voice guidance will announce, "Entering the road with incomplete map data. Please use the direction arrow and distance information to proceed to your destination."

REPEATING VOICE GUIDANCE

This function is available throughout route guidance, from the time after the route calculation is completed until the vehicle arrives at the destination. Push **<VOICE>**. Voice guidance will be repeated.

ℹ️ INFO:

- If you push **<VOICE>** when you have deviated from the suggested route and when the automatic reroute function is off, voice guidance will announce, "Proceed to the highlighted route."

- If you push **<VOICE>** when you are going in the wrong direction, voice guidance will announce: "Please make a legal U-turn if possible."

NOTES ON VOICE GUIDANCE

- Voice guidance in this system should be regarded as a supplementary function. When driving your vehicle, check the route on the map and follow the actual roads and traffic regulations.

- Voice guidance is activated only for intersections with certain conditions. There may be cases that the vehicle has to turn, but voice guidance is not provided.

- Voice guidance contents may vary, depending on the direction of the turn and the type of intersection.

- The voice guidance timing will vary depending on the situation.

- When the vehicle has deviated from the suggested route, voice guidance is not available. The system will not announce this to you. Refer to the map and recalculate the route.

- Voice guidance may not accurately correspond with road numbers and directions at freeway junctions.

- Voice guidance may not accurately correspond to street names at freeway exits.

- The displayed street names may sometimes differ from the actual names, or "UN-KNOWN STREET NAME" may be displayed.

- Voice guidance is not available when the [Guidance Voice] indicator is not illuminated.

- Voice guidance will start when the vehicle enters the suggested route. Refer to the map for directions to the starting point of the route.

- When approaching a waypoint, voice guidance will announce, "You have arrived at waypoint 1 (2, 3, 4,...)." Voice guidance will switch to the next section of the route. When voice guidance is not available, refer to the map for directions.

- In some cases, voice guidance ends before arrival at the destination. Refer to the destination icon on the map to reach the destination.

- If the system recognizes on which side the destination (waypoint) is located, voice guidance will announce "on the right/left" after announcing the arrival at the destination.

- Voice guidance may be partially operational or inoperative due to the angle of roads at an intersection.

- Because freeway lane information is available only for approximately 7,000 major freeways in North America, it is not possible to display information for all junctions and exits.

- Freeway exit information may differ from the information on the actual exit signs.

- Because it is not possible to consider data concerning roads that are seasonally available or unavailable, a route may be displayed that does not match the actual traffic restrictions. Be sure to follow the actual traffic restrictions while driving.

- Canada and Alaska contain many roads with incomplete map data. As a result, when searching for a route, the route may include roads with incomplete data. In regions where road data is not complete, voice guidance may stop for long periods of time. Be sure to follow the actual traffic restrictions while driving.

NOTES ON XM® NAVTRAFFIC™ INFORMATION

- The XM® NavTraffic™ information service is not provided for some cities. In addition, the cities for which the traffic information service is provided may be changed.

- In some cases, infrastructure problems may prevent the complete display of the traffic information. This is not a malfunction.

- Due to infrastructure problems, or due to the time when the traffic information service broadcast is received, the displayed information may differ from the actual traffic conditions.

- Depending on the XM® NavTraffic™ information, a detour route may be slower than the original route.

- XM® NavTraffic™ is a service of XM® Satellite Radio. XM® NavTraffic™ is only available in select markets within the 48 contiguous United States and is subject to data availability. Reception of the XM® signal may vary depending on location. It requires a monthly premium subscription. The service provider is solely responsible for the quality and accuracy of the information provided. All fees and programming are subject to change.

For more details on the XM® NavTraffic™ service, terms and conditions, please visit www.xmradio.com.
You can also contact XM® Radio at 1-800-XM-RADIO (1-800-967-2346).

● As of July 31, 2007, the XM® NavTraffic™ service covers 79 major metropolitan markets. For the most current list of markets covered, please refer to www.xmnavtraffic.com, or call XM® Radio customer support at 1-800-XM-RADIO (1-800-967-2346).

● Due to road maintenance, infrastructure problems (e.g. malfunction of road sensors, outage of central computer of infrastructure) or natural disasters, there are times when some or all traffic information may not be available.

● Incident information is based on human collection. Not all incidents that have happened are collected and provided.

● Due to infrastructure problems, or transmission delay, there are times when the information may differ from the actual condition. Always observe safe driving practices and follow all traffic regulations.

● Due to the coverage and quality of traffic information and road conditions, it is not always possible for the system to provide the shortest time route even when traffic information is considered.

● Traffic information that is displayed may differ from information from other media (e. g., radio), as other media may use different information sources.

MAP DATA

HOW TO ORDER MAP DATA UPDATES

To order updated map data, contact the NISSAN NAVIGATION SYSTEM HELPDESK. See the contact information on the inside front cover of this manual.

ABOUT THE MAP DATA

1. This map data has been prepared by ZENRIN CO., LTD. under license from Navigation Technologies Corporation. ZENRIN CO., LTD. has added, processed and digitized data based on the digital road map data of Navigation Technologies Corporation. Due to the production timing of the map data, some new roads may not be included in this map data or some of the names or roads may be different from those at the time you use this map data.

2. Traffic control and regulation data used in this map data may be different from those at the time you use this map data due to the data production timing. When driving your vehicle, follow the actual traffic control signs and notices on the roads.

3. Reproducing or copying this map software is strictly prohibited by law.

Published by NISSAN North America, Inc.

> ⚠ **WARNING**
>
> - This navigation system should not be used to replace your own judgement. No itinerary suggested by this navigation system should ever override any highway regulations, your own judgement, or a knowledge of safe driving practices. Do not follow the navigation system's suggested itinerary if it would cause you to perform a dangerous or illegal act, place you in a dangerous situation, or take you into an area you consider unsafe.
>
> - The advice provided by the navigation system is to be regarded as a suggestion only. There may be times when the navigation system displays the vehicle's location incorrectly, fails to suggest the shortest route, or fails to direct you to your desired destination. In such instances, rely on your own driving judgement, taking into account the driving conditions at the time.
>
> - Do not use the navigation system to locate emergency services. The database does not contain a complete listing of emergency services such as police stations, fire halls, hospitals and walk-in clinics. Please show discretion and ask for directions in such instances.
>
> - As the driver, you alone are responsible for your driving safety.
>
>   — In order to avoid a traffic accident, do not operate the system while driving.
>
>   — In order to avoid a traffic accident, operate the system only when the vehicle is stopped at a safe place and the parking brake is on.
>
>   — In order to avoid a traffic accident or traffic offence, remember that actual road conditions and traffic regulations take precedence over the information contained on the navigation system.
>
>   — The Software may contain inaccurate or incomplete information due to the passage of time, changing circumstances, and the sources of information used. Please respect current traffic conditions and regulations at all times while driving.
>
>   — Where actual road conditions and highway regulations differ from the information contained on the navigation system, abide by the highway regulations.
>
>   — Keep the amount of time spent viewing the screen while driving to a strict minimum.

The navigation system does not provide, nor represent in any way information on: traffic and highway regulations; technical aspects of the vehicle including weight, height, width, load and speed limits; road conditions including grade, percentage of incline and surface conditions; obstacles such as the height and width of bridges and tunnels; and other current driving or road conditions. Always rely on your own judgement when driving a car, taking into account current driving conditions.

"The company trademarks used in this product to identify locations and business offices are the

trademarks of their respective owners. Their use does not represent sponsorship, approval or recommendation of this product by these companies."

END-USER TERMS

The data ("Data") is provided for your personal, internal use only and not for resale. It is protected by copyright, and is subject to the following terms and conditions which are agreed to by you, on the one hand, and ZENRIN CO., LTD. ("ZENRIN CO., LTD.") and its licensors (including their licensors and suppliers) on the other hand.

© 2006 NAVTEQ [Insert any applicable copyright notices as required for the country-specific Data being used]. All rights reserved.

The Data for areas of Canada includes information taken with permission from Canadian authorities, including: © Her Majesty the Queen in Right of Canada,
© Queen's Printer for Ontario, © Canada Post Corporation, GeoBase®.

NAVTEQ holds a non-exclusive license from the United States Postal Service® to publish and sell ZIP+4® information.

©United States Postal Service® 2005. Prices are not established, controlled or approved by the United States Postal Service®. The following

trademarks and registrations are owned by the USPS: United States Postal Service, USPS, and ZIP+4.

Terms and conditions

Personal Use Only. You agree to use this Data together with Nissan Automotive Products for the solely personal, non-commercial purposes for which you were licensed, and not for service bureau, time-sharing or other similar purposes. Accordingly, but subject to the restrictions set forth in the following paragraphs, you may copy this Data only as necessary for your personal use to (i) view it, and (ii) save it, provided that you do not remove any copyright notices that appear and do not modify the Data in any way. You agree not to otherwise reproduce, copy, modify, decompile, disassemble or reverse engineer any portion of this Data, and may not transfer or distribute it in any form, for any purpose, except to the extent permitted by mandatory laws. Multi-disc sets may only be transferred or sold as a complete set as provided by ZENRIN CO., LTD. and not as a subset thereof.

Restrictions. Except where you have been specifically licensed to do so by ZENRIN CO., LTD. and without limiting the preceding paragraph, you may not (a) use this Data with any products, systems, or applications installed or otherwise connected to or in communication with vehicles, capable of vehicle navigation,

positioning, dispatch, real time route guidance, fleet management or similar applications; or (b) with or in communication with any positioning devices or any mobile or wireless-connected electronic or computer devices, including without limitation cellular phones, palmtop and handheld computers, pagers, and personal digital assistants or PDAs.

Warning. The Data may contain inaccurate or incomplete information due to the passage of time, changing circumstances, sources used and the nature of collecting comprehensive geographic data, any of which may lead to incorrect results.

No Warranty. This Data is provided to you "as is," and you agree to use it at your own risk. ZENRIN CO., LTD. and its licensors (and their licensors and suppliers) make no guarantees, representations or warranties of any kind, express or implied, arising by law or otherwise, including but not limited to, content, quality, accuracy, completeness, effectiveness, reliability, fitness for a particular purpose, usefulness, use or results to be obtained from this Data, or that the Data or server will be uninterrupted or error-free.

Disclaimer of Warranty: ZENRIN CO., LTD. AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) DISCLAIM ANY WARRANTIES, EXPRESS OR IMPLIED, OF QUALITY, PERFORMANCE, MERCHANTABIL-

ITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. Some States, Territories and Countries do not allow certain warranty exclusions, so to that extent the above exclusion may not apply to you.

Disclaimer of Liability: ZENRIN CO., LTD. AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) SHALL NOT BE LIABLE TO YOU: IN RESPECT OF ANY CLAIM, DEMAND OR ACTION, IRRESPECTIVE OF THE NATURE OF THE CAUSE OF THE CLAIM, DEMAND OR ACTION ALLEGING ANY LOSS, INJURY OR DAMAGES, DIRECT OR INDIRECT, WHICH MAY RESULT FROM THE USE OR POSSESSION OF THE INFORMATION; OR FOR ANY LOSS OF PROFIT, REVENUE, CONTRACTS OR SAVINGS, OR ANY OTHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF YOUR USE OF OR INABILITY TO USE THIS INFORMATION, ANY DEFECT IN THE INFORMATION, OR THE BREACH OF THESE TERMS OR CONDITIONS, WHETHER IN AN ACTION IN CONTRACT OR TORT OR BASED ON A WARRANTY, EVEN IF ZENRIN CO., LTD. OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some States, Territories and Countries do not allow certain liability exclusions or damages limitations, so to that extent the above may not apply to you.

Export Control. You agree not to export from anywhere any part of the Data provided to you or any direct product thereof except in compliance with, and with all licenses and approvals required under, applicable export laws, rules and regulations.

Entire Agreement. These terms and conditions constitute the entire agreement between ZENRIN CO., LTD. (and its licensors, including their licensors and suppliers) and you pertaining to the subject matter hereof, and supersedes in their entirety any and all written or oral agreements previously existing between us with respect to such subject matter.

Governing Law. The above terms and conditions shall be governed by the laws of the State of Illinois [insert "Netherlands" where European NAVTEQ Data is used], without giving effect to (i) its conflict of laws provisions, or (ii) the United Nations Convention for Contracts for the International Sale of Goods, which is explicitly excluded. You agree to submit to the jurisdiction of the State of Illinois [insert "The Netherlands" where European NAVTEQ Data is used] for any and all disputes, claims and actions arising from or in connection with the Data provided to you hereunder.

Government End Users. If the Data is being acquired by or on behalf of the United States government or any other entity seeking or applying rights similar to those customarily claimed by the United States government, this Data is a "commercial item" as that term is defined at 48 C.F.R. ("FAR") 2.101, is licensed in accordance with these End User Terms, and each copy of the Data delivered or otherwise furnished shall be marked and embedded as appropriate with the following "Notice of Use," and shall be treated in accordance with such Notice:

NOTICE OF USE

CONTRACTOR (MANUFACTURER/ SUPPLIER) NAME: NAVTEQ

CONTRACTOR (MANUFACTURER/SUPPLIER) ADDRESS: 222 Merchandise Mart Plaza, Suite 900, Chicago, Illinois 60654

This Data is a commercial item as defined in FAR 2.101 and is subject to the End User Terms under which this Data was provided.

© 2006 NAVTEQ - All rights reserved.

If the Contracting Officer, federal government agency, or any federal official refuses to use the legend provided herein, the Contracting Officer, federal government agency, or any federal official must notify NAVTEQ prior to seeking additional or alternative rights in the Data.

HOW TO HANDLE THE DISPLAY

The display is a liquid crystal display and should be handled with care.

⚠️ **WARNING**

Never disassemble the display. Some parts utilize extremely high voltage. Touching them may result in serious personal injury.

CHARACTERISTICS OF A LIQUID CRYSTAL DISPLAY

- If the temperature inside the vehicle is especially low, the display will stay relatively dim or the movement of the images may be slow. These conditions are normal. The display will function normally when the interior of the vehicle has warmed up.

- Some pixels in the display are darker or brighter than others. This condition is an inherent characteristic of liquid crystal displays, and it is not a malfunction.

- You may also notice a remnant of the previous display image on the screen. This screen burn is inherent in displays, and it is not a malfunction.

ℹ️ **INFO:**

The screen may become distorted by strong magnetic fields.

MAINTENANCE OF THE DISPLAY

⚠️ **CAUTION**

- **To clean the display, never use a rough cloth, alcohol, benzine, thinner and any kind of solvent or paper towel with a chemical cleaning agent. They will scratch or deteriorate the panel.**

- **Do not splash any liquid such as water or car fragrance on the display. Contact with liquid will cause the system to malfunction.**

If you need to clean the display screen, use a dry, soft cloth. If additional cleaning is necessary, use a small amount of neutral detergent with a soft cloth. Never spray the screen with water or detergent. Dampen the cloth first, then wipe the screen.

MEMO

11 Troubleshooting guide

CUSTOMER ASSISTANCE

For assistance or inquiries about the NISSAN Navigation System, contact the NISSAN NAVIGATION SYSTEM HELPDESK. See the contact information on the inside front cover of this manual.

NAVIGATION

BASIC OPERATIONS

Symptom	Possible cause	Possible solution
No image is displayed.	The brightness is at the lowest setting.	Adjust the brightness of the display.
	The system in the video mode.	Push **<DISC·AUX>** to change the mode. ☞ "AUXILIARY INPUT JACKS" page 3-21
	The display is turned off.	Push **<Day/Night>** to turn on the display.
No voice guidance is available. or The volume is too high or too low.	The volume is not set correctly, or it is turned off.	Adjust the volume of voice guidance.
	Voice guidance is not provided for certain streets (roads displayed in gray).	This is not a malfunction.
No map is displayed on the screen.	A screen other than map screen is displayed.	Push **<MAP>**.
The screen is too dim. The movement is slow.	The temperature in the interior of the vehicle is low.	Wait until the interior of the vehicle has warmed up.
Some pixels in the display are darker or brighter than others.	This condition is an inherent characteristic of liquid crystal displays.	This is not a malfunction.
Some menu items cannot be selected.	Some menu items become unavailable while the vehicle is driven.	Park the vehicle in a safe location, and then operate the navigation system.

NOTICE

Locations stored in the Address Book and other memory functions may be lost if the vehicle's battery is disconnected or becomes discharged.
If this occurs, service the vehicle's battery as necessary and re-enter the information in the Address Book.

VEHICLE ICON

Symptom	Possible cause	Possible solution
Names of roads and locations differ between Plan View and Birdview™.	This is because the quantity of the displayed information is reduced so that the screen does not become too crowded. There is also a chance that names of the roads or locations may be displayed multiple times, and the names appearing on the screen may be different because of a processing procedure.	This is not a malfunction.
The vehicle icon is not displayed in the correct position.	The vehicle was transported after the ignition switch was pushed off, for example, by a ferry or car transporter.	Drive the vehicle for a while on a road where GPS signals can be received.
	The position and direction of the vehicle icon may be incorrect depending on the driving environments and the levels of positioning accuracy of the navigation system.	This is not a malfunction. Drive the vehicle for a while to automatically correct the position and direction of the vehicle icon. 〚→ "ABOUT CURRENT VEHICLE LOCATION" page 10-2
When the vehicle is traveling on a new road, the vehicle icon is located on another road nearby.	Because the new road is not stored in the map data, the system automatically places the vehicle icon on the nearest road available.	Updated road information will be included in the next version of the map data.
The screen does not switch to the night screen even after turning on the head-lights.	The daytime screen was set the last time the headlights were turned on.	Set the screen to the night screen mode using **<Day/Night>** when you turn on the headlights. 〚→ "DISPLAY SETTINGS" page 7-2
The map does not scroll even when the vehicle is moving.	The current location map screen is not displayed.	Push **<MAP>**.
The vehicle icon is not displayed.	The current location map screen is not displayed.	Push **<MAP>**.
The GPS indicator on the screen remains gray.	GPS signals cannot be received under certain conditions, such as in a parking garage, on a road with many tall buildings, etc.	Drive on an open, straight road for a while.
	GPS signals cannot be received because objects are placed on the instrument panel.	Remove the objects from the instrument panel.
	A sufficient number of GPS satellites is not available.	Please wait for the satellites to move to locations available for your navigation system.

Symptom	Possible cause	Possible solution
The location of the vehicle icon is misaligned from the actual position.	When using tire chains or replacing the tires, speed calculations based on the speed sensor may be incorrect.	Drive the vehicle for a while (at approximately 19 MPH (30 km/h) for about 30 minutes) to automatically correct the vehicle icon position. If this does not correct the vehicle icon position, contact a NISSAN dealer.
	The map data has a mistake or is incomplete (the vehicle icon position is always misaligned in the same area).	Updated road information will be included in the next version of the map data.

ROUTE CALCULATION AND VISUAL GUIDANCE

Symptom	Possible cause	Possible solution
Waypoints are not included in the auto reroute calculation.	Waypoints that you have already passed are not included in the auto reroute calculation.	If you want to go to that waypoint again, you need to edit the route.
Route information is not displayed.	Route calculation has not yet been performed.	Set the destination and perform route calculation.
	You are not driving on the suggested route.	Drive on the suggested route.
	Route guidance is set to off.	Turn on route guidance.
	Route information is not provided for certain types of roads (roads displayed in gray).	This is not a malfunction.
The auto reroute calculation (or detour calculation) suggests the same route as the one previously suggested.	Route calculations took priority conditions into consideration, but the same route was calculated.	This is not a malfunction.
A waypoint cannot be added.	Five waypoints are already set on the route, including ones that you have already passed.	A maximum of 5 waypoints can be set on the route. If you want to go to 6 or more waypoints, perform route calculations multiple times as necessary.
The suggested route is not displayed.	Roads near the destination cannot be calculated.	Reset the destination to a main or ordinary road, and recalculate the route.
	The starting point and destination are too close.	Set a more distant destination.
	The starting point and destination are too far away.	Divide your trip by selecting one or two intermediate destinations, and perform route calculations multiple times.
	There are time restricted roads (by the day of the week, by time) near the current vehicle location or destination.	Set [Use Time Restricted Roads] to off. ☞ "SETTING CONDITIONS FOR THE ROUTE CALCULATION" page 2-67
A part of the route is not displayed.	The suggested route includes narrow streets (roads displayed in gray).	This is not a malfunction.
The part of the route that you have already passed is deleted.	A route is managed by sections between waypoints. If you passed the first waypoint, the section between the starting point and the waypoint is deleted. (It may not be deleted depending on the area.)	This is not a malfunction.

Symptom	Possible cause	Possible solution
An indirect route is suggested.	If there are restrictions (such as one-way streets) on roads close to the starting point or destination, the system may suggest an indirect route.	Adjust the location of the starting point or destination.
	The system may suggest an indirect route because route calculation does not take into consideration some areas such as narrow streets (gray roads).	Reset the destination to a main or ordinary road, and recalculate the route.
The landmark information does not correspond to the actual information.	This may be caused by insufficient or incorrect map data.	Updated information will be included in the next version of the map data.
The suggested route does not exactly connect to the starting point, waypoints, or destination.	There is no data for route calculation closer to these locations.	Set the starting point, waypoints and destination on a main road, and perform route calculation.

VOICE GUIDANCE

Symptom	Possible cause	Possible solution
Voice guidance is not available.	Voice guidance is only available at certain intersections marked with 🚩. In some cases, voice guidance is not available even when the vehicle should make a turn.	This is not a malfunction.
	The vehicle has deviated from the suggested route.	Go back to the suggested route or request route calculation again.
	Voice guidance is set to off.	Turn on voice guidance.
	Route guidance is set to off.	Turn on route guidance.
The guidance content does not correspond to the actual condition.	The content of voice guidance may vary, depending on the types of intersections at which turns are made.	Follow all traffic rules and regulations.

AUDIO SYSTEM

Symptom	Cause and Countermeasure
Cannot play	Check if the CD/CF was inserted correctly.
	Check if the CD/CF is scratched or dirty.
	Check if there is condensation inside the player, and if there is, wait until the condensation is gone (about 1 hour) before using the player.
	If there is a temperature increase error, the player will play correctly after it returns to the normal temperature.
	If there is a mixture of music CD files (CD-DA data) and MP3/WMA files on a CD, only the music CD files (CD-DA data) will be played.
	Files with extensions other than ".MP3", ".WMA", ".mp3" or ".wma" cannot be played. In addition, the character codes and number of characters for folder names and file names should be in compliance with the specifications.
	Check if the disc or the file is generated in an irregular format. This may occur depending on the variation or the setting of MP3/WMA writing applications or other text editing applications.
	Check if the finalization process, such as session close and disc close, is done for the disc.
	Check if the CD/CF is protected by copyright.
Poor sound quality	Check if the CD/CF is scratched or dirty.
It takes a relatively long time before the music starts playing.	If there are many folder or file levels on the MP3/WMA CD/CF, or if it is a multisession disc, some time may be required before the music starts playing.
Music cuts off or skips	The writing software and hardware combination might not match, or the writing speed, writing depth, writing width, etc., might not match the specifications. Try using the slowest writing speed.
Skipping with high bit rate files	Skipping may occur with large quantities of data, such as for high bit rate data.
Move immediately to the next song when playing.	When a non-MP3/WMA file has been given an extension of ".MP3", ".WMA", ".mp3" or ".wma", or when play is prohibited by copyright protection, the player will skip to the next song.
The songs do not play back in the desired order.	The playback order is the order in which the files were written by the writing software, so the files might not play in the desired order.

BLUETOOTH® HANDS-FREE PHONE SYSTEM

The system should respond correctly to all voice commands without difficulty. If problems are encountered, try the following solutions.

Where the solutions are listed by number, try each solution in turn, starting with number 1, until the problem is resolved.

Symptom	Solution
System fails to interpret the command correctly.	1. Ensure that the command is valid. ☞ "Command List" page 8-14
	2. Ensure that the command is spoken after the tone.
	3. Speak clearly without pausing between words and at a level appropriate to the ambient noise level in the vehicle.
	4. Ensure that the ambient noise level is not excessive (for example, windows open or defroster on). If it is too noisy to use the phone, it is likely that the voice commands will not be recognized.
	5. If more than one command was said at a time, try saying the commands separately.
The system consistently selects the wrong voicetag.	1. Ensure that the voicetag requested matches what was originally stored. ☞ "PHONEBOOK REGISTRATION" page 4-5
	2. Replace one of the names being confused with a new name.

TRAFFIC INFORMATION

Symptom	Possible cause	Possible solution
The traffic information is not displayed.	The traffic information is not set to on.	Set the traffic information to on.
	You are in an area where traffic information is not available.	Scroll to an area where traffic information is available.
	You have not subscribed to XM® NavTrafficTM, or your subscription to XM® NavTrafficTM has expired.	Check your subscription status of XM® NavTrafficTM.
	The map scale is set at a level where the display of icons is impossible.	Check that the map scale is set at a level in which the display of icons is possible. ☞ "Traffic information can be displayed in the following scale levels" page 6-12
With the automatic detour route search ON, no detour route is set to avoid congested areas.	There is no faster route compared to the current route, based on the road network and traffic information.	The automatic detour search is not intended for avoiding traffic jams. It searches for the fastest route taking into consideration such things as traffic jams. Follow the current route. Also see "NOTES ON XM® NavTrafficTM INFORMATION" for further information.
The route does not avoid a road section with traffic information stating that it is closed due to road construction.	The navigation system is designed not to avoid this event because the actual period of closure may differ from the declared roadwork period.	Observe the actual road conditions and follow the instructions on the road for detour when necessary. If the road actually is closed, use the detour function and set the detour distance to avoid the road section that is closed.

VOICE RECOGNITION

Symptom	Possible cause	Possible solution
The system does not recognize your command. or The system recognizes your command incorrectly.	The interior of the vehicle is too noisy.	Close the windows or have other occupants be quiet.
	The volume of your voice is too low.	Speak louder.
	The volume of your voice is too loud.	Speak softer.
	Your pronunciation is unclear.	Speak clearly.
	You are speaking before the voice recognition mode is ready.	Push **\<TALK\>** on the steering switch, and speak a command after the tone sounds.
	8 seconds or more have passed after you pushed **\<TALK\>** on the steering switch.	Make sure to speak a command within 8 seconds after you push **\<TALK\>** on the steering switch.
	Only a limited range of voice commands is usable for each screen.	Use a correct voice command appropriate for the current screen.
	The sound of the fan of the air conditioner is too loud.	If the air conditioner is set to "Auto", the fan speed is automatically lowered and voice commands can be recognized more easily. Lower the fan speed as necessary or set the air conditioner to "Auto".

12 Index